Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 150 No. 13 September 23, 1946

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Penicillin 'G' Sales Rules Easing Planned

OPD Washington Bureau

New developments in the production and testing of penicillin, which make it possible to determine with a relatively close degree of accuracy the amount of penicillin "G" contained in any given quantity of crystalline penicillin, were disclosed to the industry this week by the Food and Drug Administration.

The new procedure for the determination of penicillin "G" was developed in the laboratories of Merck & Co., and copies were forwarded by the agency to all producers September 18, with the suggestion that they record their experiences with the procedure by October 1 so that changes can be made in existing penicillin regulations if these are deemed warranted.

Officials of the FDA have in mind modifying the regulation so as to permit the sales of crystalline penicillin labeled as penicillin "G" if the product contains at least 90 percent of "G" and not more than 10 percent of "K." Because type "K" penicillin is less desirable from a medical standpoint to that of type "G," the importance of the new procedure, and the right to label penicillin "G" as such, is obvious.

In its letter to producers, the FDA said that the procedure developed by Merck & Co. had been tested by the agency's own laboratories and good recoveries of pure penicillin "G" have been obtained. It added that several commercial samples of crystalline penicillin run by this procedure also gave results which agreed well with those obtained by the colorimetric method for "G."

One of the amendments to be announced soon will increase the minimum potency of tablets buffered penicillin and tablets alum precipitated penicillin from 20,000 units to 50,000 units. Another amendment will extend the potency period for certain types of tablets and dental cones from nine months to eighteen months.

Some objection was recorded to the proposal for increasing the minimum potency of tablets buffered penicillin and tablets alum precipitated penicil-

—Continued on page 78

Digitalis Packaging Rules Eased by U.S.P.

OPD Washington Bureau

A modification of U.S.P. standards for the packaging of digitalis, which will permit the product to enter into the United States in fiber containers or some other substitute for steel, is being prepared by the U.S.P. Revision Committee.

Under existing U.S.P. standards, digitalis from abroad could only be shipped in airtight and waterproof containers, which for the most part consist of steel drums. Because of the shortage of these containers abroad, it has been almost impossible to bring the leaves into the country.

The proposed modification of the requirement will permit the packaging of digitalis leaves in any manner that will not maintain a water content in excess of the tolerance permitted in the U.S.P. Digitalis intended solely for the manufacture of glycocides, however, will be exempt from the packaging standard. But the digitalis must be labeled for use only for the manufacture of glycocides.

Scrap Industry Adviser Quits OPA in Protest

OPD Washington Bureau

William J. Wolf, Ohio industrialist, recently resigned from the Office of Price Administration's scrap industry advisory committee in protest against OPA refusal to grant price increases for steel scrap. He charged that the OPA did not want the advice of industry unless it coincided with the thinking of the office's Washington group.

Joins S. B. Penick

Melvin G. Peterson has been named purchasing agent for S. B. Penick & Co., manufacturer of botanical drugs and pharmaceuticals, New York. Formerly he was connected for many years with the purchasing staff of the Firestone Tire & Rubber Company, Akron, Ohio.

German Fertilizer Outlook Reviewed

The outlook for nitrogenous fertilizers for the U. S. Zone of Germany has improved somewhat for the 1946-47 crop year, according to a report from the Military Government just released by the War Department. Indications are, it was stated, that the plants at Trostberg and Hoechst can produce about 70 percent of total requirements if adequate quantities of coal, raw materials and labor can be provided.

In addition, it is expected that ammonium nitrate containing about 8,000 metric tons of pure nitrogen, and representing about 8 percent of 1946-47 requirements will be salvaged from stockpiles of captured enemy ammunition.

Nitrogen Deliveries Show Sharp Gain

Deliveries of nitrogen supplies for the 12 months period ending June 30 totaled 798,700 tons, 26,110 tons above the production goal established, C. A. Woodrum, president of the American Plant Food Counsel announced September 20, based on reports provided by the CPA.

International Trade Barriers Relaxation Proposed by U. S.

OPD Washington Bureau

A suggested charter for an International Trade Organization of the United Nations, which would establish the "rules of the game" in the business of world trade, was issued September 19 by the State Department. The charter is based upon the United States proposals for expansion of world trade and employment, issued last December.

The department announced that public hearings on the charter will be held by an appropriate interdepartmental committee at a date to be announced later. At these hearings all interested persons and organizations will be afforded an opportuntiy to present their written and oral views regarding any aspect of the draft.

The charter seeks to accomplish four main things:—To promote the maintenance of employment in member countries; to bring about the general relaxation and regulation of barriers to world trade, whether such barriers are imposed by governments or private organizations; to provide an orderly procedure under agreed rules for the negotiation of intergovernmental commodity arrangements, and to create permanent international machinery for consultation and collaboration in trade and related matters.

Chapter IV of the Charter, which is probably the most important of its seven chapters, includes the provisions for the reduction or elimination of governmental barriers to international trade, and establishes the "golden rules" of world trading. Some of the things it would provide are the following:—

Requires reciprocal negotiations for the substantial reduction of tariffs and for the elimination of import tariff preferences.

Eliminates quotas and embargoes on trade in general, but permits them for agreed purposes under defined circumstances.

Eliminates exchange restrictions on trade in general, but permits them for agreed purposes under defined circumstances.

Requires that subsidies affecting trade be reported to the "ITO" and that those seriously injuring trade be subject to negotiated limitations, and that export subsidies in general be eliminated except under defined circumstances.

Requires that state trading enterprises be operated in a non-discriminatory manner; that state monopolies of individual products negotiate for the reduction of protection afforded to domestic producers, and that complete state monopolies of all foreign trade agree to maintain total imports of all products at a level to be negotiated periodically.

Prohibits agreement with nonmembers promising them benefits of the charter, and prevents members, after an initial period, from extending tariff concessions to nonmembers without "ITO" approval.

Brazilian Babassu Oil U.S. Imports Continue

OPD Washington Bureau

A recent decree of the Brazilian Government, prohibiting the exportation of certain fats and oils until further notice, will have no effect on the agreement with Brazil for the purchase of babassu kernels and oil by the United States, it was announced by the Department of Agriculture. Exclusion from the export ban of babassu kernels and oils contracted for by the United States is of great importance because of the need for the oil for soap manufacturing and other industrial uses.

Under a four-year agreement originally reached July 25, 1942, Brazil agreed to sell not less than 75 percent of its babassu output to the United States in the form of kernels or oil. This agreement, as it was about to expire, was extended until July 24, 1946, but reduced the quantity available to the United States to 50 percent. Brazil's production of babassu kernels for 1946 is placed at 60,100 short tons.

The Brazilian export prohibition covers animal fats and specified vegetable oil seeds and oils, including babassu kernels and oil, except those set aside for the United States. Other oleaginous products affected by the decree are copra, palm, ouricury, tocum and their respective oils, and cottonseed and peanut oil.

Navy Opens Symposiums On Scientific Subjects

OPD Washington Bureau

The first of a series of symposiums to familarize civilian scientists with navy problems and to encourage fundamental research in many fields was held here this week under the sponsorship of the Office of Naval Research. This week's conferences concerned nuclear physics and underwater warfare problems.

Gum, Wood Rosin Export Quota Studied by CPA

OPD Washington Bureau

An export quota o f 75,000 drums of gum and wood rosin for the third quarter of the crop year (fourth quarter of the calender year) has been recommended by the chemicals division of the Civilian Production Administration, according to a report made to the Wood Naval Stores Industrial Advisory Committee.

The quota, if approved, would mean export of rosin for the crop year of 325,000 drums, unless an additional quota should be set for the fourth quarter. This possibility was held unlikely because there is virtually no production of gum rosin from January 1 to March 31.

Castor Pomace Makers Request Higher Prices

OPD Washington Bureau

Producers of castor pomace have asked the Office of Price Administration for increased ceilings on this product, in view of the increased costs of castor beans. Action on the request is being withheld by the agency pending the submission of cost data to support the request.

Ceiling prices on castor oil were recently raised to cover the added cost of the beans, but the relief was not extended to castor pomace.

Labor Relations

Mitchell M. Shipman
Labor-Management Consultant

Caution Against Discontinuance of Employee Bonus Plans

In a previous column, OPD readers were reminded that, with the revival of OPA, the various governmental wage and salary controls were likewise reinstated. A very important one is the prohibition against reducing wages and salaries.

What about employee bonus plans? Some of these existed prior to the war. Many others have been put into effect during the war period for various reasons, such as a means of coping with absenteeism and improved employee morale and, in turn, production. Can employers now eliminate these employee bonus plans?

One phase of the question permits of a rather complete answer. It is that an employer cannot eliminate his employee bonus plan if it involves a loss in earnings to his employees unless he first obtains the approval of the appropriate governmental agency—the Wage Stabilization Board or the Salary Stabilization Unit. For him to drop his bonus plan without such prior governmental approval, even if, for that matter, the union agrees to it, would constitute a violation of law.

When then would the board approve an employer's eliminating his employee bonus plan? Some light is afforded by the bonus cases recently coming before WSB.

Two Discontinuances Approved

Of the four bonus-elimination cases recently before the board, two were approved and two denied. The first one which was approved involved a sporting goods manufacturer who, in 1941, converted to the manufacture of metal parts and machine jobbing essential to warplants. He then adopted an employee bonus plan as a means to eliminate his absenteeism problem. After V-J Day, he reconverted to his peacetime products. He then sought to drop his bonus plan, which he contended was strictly a wartime measure. The board granted his application. An important factual circumstance in the case is that the union consented to the abandonment of the bonus plan.

The secod case of board approval is peculiar to itself. Here the abandonment of the bonus would have resulted in no loss of income to the employees. What the employer apparently did was to incorporate the bonus into his wage structure by an equivalent increase in the basic wage rate itself. The board's

—Continued on page 78

In This Issue

Anchor Serum Wholesalers Meet..... 57
APC Tightens Vested Firms Control.. 47
Argentine Importers Open N.Y. Office. 59
Aralen Output Started..... 52
Babassu Oil Imports Continue..... 3
Bander in Charity Drive Post..... 58
Barber Asphalt Royalties Study Set. 67
Biological Aids Wanted..... 58
Blacklist Deletions Augmented..... 58
Blankenship in Bristol Lab. Post..... 56
Bonham Western Representative..... 66
Brokaw Retires from Celastic..... 43
Carbide & Carbon Names Joslin..... 72
Castor Bean, Oil Prices Advanced.... 5
Castor Pomace Price Rise Asked..... 3
Chain Drug Store Group Names Ball. 56
Chemical Workers Decrease: July.... 54
Chem. Workers Earnings Up: June.. 54
Collapsible Tubes Price-Control Off.. 59
Commerce Dep't Warns on Hoarding. 59
Continental Ore Named Sales Agent.. 41
Cottonseed Crushed Decreased: Aug.. 73
Crude Oil Output..... 67
Digitalis Packaging..... 3
Drug Makers to Meet with AMA..... 5
Du Pont Names Dunbar..... 47
Du Pont Names Research Lab..... 7
Du Pont Names Wood..... 48
Farm Chemical Needs Told..... 7
Fertilizer Imports Monopolized..... 48
Fisher Heads Oil Group..... 66
Givaudan-Delawanna Pres. to Europe. 58
Gottesman Leaves OPA..... 58
German Fertilizer Outlook Reviewed. 3
Gov't Wage-Price Review Ordered.... 5
Hynes Sales Div. Changes Name..... 48
Inter. Trade Barrier Easing Proposed. 3
Kay-New York Adds Morrell..... 53
Linseed Oil Processors' Ceilings Up... 5
Lion Oil Building Nitric Acid Plants.. 41
Lubricants and Asphalt for Sale..... 66
Lubricants Surplus for Sale..... 66
Lueders Joins 25-Year Club..... 53
Mallinckrodt Calculator Offered..... 54
Metal Can Shipments: July..... 41
Montrose Forms Calif. Firm..... 53
Morningstar, Nicol Buys Building.... 47
Navy Opens Scientific Symposium.... 3
Nitrogen Deliveries Up..... 3
N.Y.C. Chemists Ask Salary Rise..... 54
Oil Chemists Meet Oct. 30..... 7
Oils, Fats Consumption: Apr.-June.... 7
Paint Technology Courses Planned.... 72
Penicillin 'G' Sales Easing Planned.... 3
Penn Salt Ups Research Staff..... 53
Peterson Joins Baker..... 41
Peterson Joins Penick..... 3
Pharm. Contact Committee to Meet... 5
Rosin Export Quota Studied..... 3
Scar-Lipman Moves..... 48
Schering Offers Penicillin..... 57
Scrap Industry Adviser Quits..... 3
Shell Oil Advances Merkus, Dale..... 66
Smith Leaves Lago Oil..... 66
Smythe Rejoins M.M.&R..... 58
SOCMA Adds Six Members..... 48
Soc.-Vacuum Appoints Montgomery.. 66
Soda Ash Under PR. No. 28..... 5
Standard Vacuum Elects Walden..... 66
Stearns Offers Scientific Papers..... 56
Stearns Promotes Walsh..... 58
Tek Corp. Formed..... 58
WAA Chi. Director Is Adams..... 58
WAA Names Miller..... 58
Warren Corp. Names Redmile..... 57
Westvaco Names Meyler..... 57
Wyatt Assigned to Detroit..... 48

General Features

Advertising Index..... 79
Association Meeting Dates..... 7
Bids 4
Book Reviews..... 7
Classified Advertisements..... 78
Corporation Earnings..... 79
Current Market Quotations..... 9
Editorials 36
Imports 42
Imports Detained..... 61
Industrial Chemical Uses..... 7
Labor Relations..... 3
Machinery Offered..... 76
Obituaries 44
OPD Price Index..... 4
Professional Services..... 78
Trade Briefs..40, 43, 48, 52, 53, 54, 56, 58, 59
Washington Talks It Over..... 5

Market Reports

Agricultural Chemicals..... 49
Botanical Drugs, Spices, Gums..... 61
Coaltar Chemicals..... 46
Drugs and Fine Chemicals..... 51
Essential Oils, Other Aromatics..... 64
Fertilizer Materials (see Agric. Chem.)
Heavy Chemicals..... 39
Oils, Fats and Waxes..... 73
Petroleum Derivatives..... 67
Protective Coatings Materials..... 69
Textile and Leather Chemicals..... 45

Rogers Resigns as OPA Deputy Administrator

OPD Washington Bureau

James G. Rogers, Jr., for more than three years general deputy administrator of the Office of Price Administration, has resigned and has been succeeded by Max McCullough, assistant deputy.

Mr. Rogers, formerly deputy director of the Office of War Information's domestic branch, joined OPA in 1943. Mr. McCullough joined OPA as regional administrator in Dallas, Tex., and came to Washington two years ago as deputy administrator for rationing.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Sept. 19, 1946	Sept. 12, 1946	Sept. 21, 1945
137.0	**137.0**	**133.7**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Price changes were more numerous last week in the markets for chemicals, oils, and drugs. Many advances were made through the grace of OPA and other governmental influences. A larger number of reductions were effected by normal competitive forces. Authorized raises in "alkalies" were a new feature. Castor and linseed oils also got an official green light. The two-way effects were so evenly balanced that there was no recordable change in the general level.

CIO Plans Drive In Paint, Drug Fields

A drive to increase membership from 41,880 to more than 80,000 in the next two years was outlined hereby President Martin Wagner at the convention of the United Gas, Coke and Chemical Workers of America, CIO, in New York last week. Buoyed by a gain of 20,000 members in the last two years, the union will attempt to expand primarily in the drug and paint trades, one source revealed. Organizers will concentrate on the chains, and the drive will be national rather than regional in intensity.

The union, which organized the Oak Ridge, Tennessee plant, will turn its attention to other plants in the atomic field, and will also cooperate in the CIO's "Operation Dixie," a general organizing drive now underway in the South.

Ammonia Sulphate Supply Study Planned

Problems of the small fertilizer manufacturers in obtaining supplies of ammonium sulphate were discussed at a meeting of the Nitrogen Producers Advisory Committee with officials of the Civilian Production Administration September 20.

The agency has received more than a dozen letters from small mixers in recent weeks complaining they were getting less ammonium sulphate now than when the material was under allocation.

Pure Chemistry Prize Funded Through 1950

Alpha Chi Sigma National Professional Chemical Fraternity, sponsor of the American Chemical Society prize in pure chemistry, reports it has sufficient funds on hand to guarantee continuance of the award through 1950. Dr. Charles C. Price of the University of Notre Dame was the 1946 prize recipient.

Casein Ceiling 40c

Price ceilings on industrial casein and milk sugar used for industrial purposes are to be removed September 23, OPA has announced. For a period of 24 hours beginning 12:01 a.m. September 23 industrial casein will have a ceiling price of 40c. per pound.

Late Market News

Ammonia liquor, grade B, prices have been advanced $2 per ton to $62 per ton, by a leading producer. Terms are f.o.b. Detroit and Chicago.

Copper ceiling prices will not be increased in the foreseeable future, the OPA announced September 20.

Sardine oil may be sold on an open billing basis until October 7, unless specific price-ceiling action is taken

On S.O.C.M.A. Board

Victor E. Williams, who directs sales for the Monsanto Chemical Company from its New York office, was chosen the additional member of the board of governors of the Synthetic Organic Chemical Manufacturers Association when the number was increased recently from nine to ten.

Army Names Marvin To Research Division

OPD Washington Bureau

Dr. Cloyd H. Marvin, president of George Washington University since 1927, has been appointed deputy director of the Research and Development Division of the War Department, it is announced by Secretary of War Robert P. Patterson. He will continue in his capacity as president of the university.

The Research and Development Division, which recently was elevated to the general staff level, has overall War Department responsibility for the initiation, allocation, coordination, and progress of research and development programs.

Chicago Chemists To Honor Evans

The Chicago chapter of the American Institute of Chemists will hold a testimonial dinner October 4 to honor Dr. Ward Vinton Evans, professor of chemistry at Northwestern University, Evanston, Ill., for his contributions to society as a chemist, teacher and a public spirited citizen.

Speakers at the dinner, to be held in the Furniture Club of America, will be Dr. Franklyn B. Snyder, president of Northwestern University, and Dr. Gustav Egloff, of the Universal Oil Products Company. Dr. C. A. Johnson, University of Illinois College of Medicine, will present Dr. Evans with an honor scroll.

Linseed Oil Open Billing Until Oct. 7

OPD Washington Bureau

The office of Price Administration issued an order September 20, effective immediately, authorizing the use of open billing in the distribution of raw linseed oil and linseed products until October 7.

This new action is in addition to the order issued September 18 providing for an increase in linseed oil and linseed products, thus permitting further study looking toward another raise in the ceilings.

M. Rea Paul Joins Frederic H. Rahr

M. Rea Paul, former chairman of the National Paint, Varnish & Lacquer Association's technical committee on paint styling, and formerly of the National Lead Company, has become associated with Frederic H. Rahr, Inc., color specialists, New York. Mr. Paul is author of the "Dictionary of Color," and was a pioneer in the Inter-Society Color Council.

Surplus Goods Offered by Gov't

Among the surplus commodities currently offered for sale by the War Assest Administration are the following, at the regional offices designated and under the respective identification numbers given in parentheses:—

Amyl acetate, 200 gallons, New York (573?4-2-7).

Calcium chloride, 1,680 pounds, Seattle (14?.6 1-1 October 1.

Carbon black, furnace, 14,844 pounds, New York (195103).

Carbon tetrachloride, 145 gallons, New York, (572870).

Copper cyanide, 400 pounds, New York (575495-1-2).

Dibutyl phthalate, 83,000 pounds, New York (808029-1-1).

Hydraulic fluid, castor oil base, two lots, 710 gallons, New York (805606 and 809446).

Lubricating grease, 1,700 pounds, New York (185126); 300 pounds, New York (338417).

Lubricating oil, five lots, 6,087 gallons, New York (185126, 194865, 335801, 338417, 572282).

Methylethyl ketone, 3,519 half-pint cans, Seattle (1421504-1). October 1.

Paraffin, three lots, 7,130 pounds, New York (194365, 573719, 578720).

Red squill, 244,279 pounds, New York (2-676900).

Soda, caustic, flake, 800 pounds, Seattle (145480 2-3 and 2-7), October 1.

Soda cyanide, 4,100 pounds, New York (575495-2-1).

Soda silicate, 350 gallons, Seattle (142274 1-3), October 1.

Soda sulphate, dried, pharmaceutical, 2,700 pounds, Kansas City (5645241 and 5645242), October 2.

Sulphur trioxide, dissolved in chlorosulphuric acid, 819,050 pounds, Seattle (145691 1-1), October 1.

Synthetic resin, (Beckacite), 1,337 pounds, Seattle (144956 13-2), October 1.

Zinc chloride, 595 pounds (bottled), Kansas City (5645928) October 2.

Zinc cyanide, 1,100 pounds, New York (575495-2-2).

Spices of many kinds in various-size lots are offered by the Special Commodities Branch, Production and Marketing Administration, United States Department of Agriculture in announcement SC-114, on which it will receive bids until 5:00 p.m. October 1. The goods are located at

—Continued on page 41

Bids Wanted

Acetylene, as required to June 30, 1947, Veterans Administration (New Castle, Del.), invitation 47-20, September 24.

Aluminum oxide, 50,000 pounds, Army Engineers, invitation 3, September 26.

Antifreeze compound, 150 gallons, Department of Justice (Leavenworth, Kans.), invitation 3-2259, September 24; 300 gallons, Treasury Department, invitation FW-192, September 27.

Automobile polish, 2,004 gallons, Army Ordnance Department (Metuchen, N. J.), invitation 30, September 30.

Borax, powdered, as required October 1 through March 31, U. S. Engineer Office (Galveston, Tex.), invitation 95, September 24.

Carbon dioxide and oxygen, as required to June 30, 1947, Veterans Administration (New Castle, Del.), invitation 47-20, September 24.

Caustic soda lye, as required October 1 through March 31 (U. S. Engineer Office (Galveston, Tex.), invitation 95, September 24.

Colors, oil and water, crayons, dyes, inks, **and similar school supplies,** District of Columbia, schedule 8862-A, September 26.

Correction fluid for duplication machine, 2,400 bottles, Treasury Department (Marietta, Ga.), invitation 06-3249, September 24.

Dichlorodiphenyltrichloroethane, 60,000 pounds, Navy Department, negotiation 594, September 26.

Drugs and chemicals, Veterans Administration, invitation 47-120, September 24.

Germicide, liquid, 336 bottles, Treasury Department (New York), invitation BW-9403, September 26.

Enamel, various types, 2,050 gallons, U. S. Engineers Office (Memphis, Tenn.) invitation 40, September 25; synthetic, 2,500 gallons, Army Ordnance department (Metuchen, N. J.), invitation 37, October 3.

Fire extinguisher, foam type, Treasury Department (San Francisco) invitation SF-33-4-47, September 27.

Floor hardener, liquid, 110 gallons, also caulking compound and linoleum paste, Department of Justice (Danbury, Conn.) invitation 27-1841, October 3.

Fuel oil, 42,500 gallons, State of New York, Albany, September 27.

Furniture polish, 1,600 quarts, Treasury Department (Marietta, Ga.), invitation 06-3237, September 24.

Ink, various types, Army Ordnance Department (Metuchen, N. J.), invitations 31 and 32, September 30.

Ink eradicator, Treasury Department (Marietta, Ga.), invitation 06-3252, September 25.

Lard, or shortening, 3,800 pounds, Department of Justice (Danbury, Conn.) invitation 27-1837, September 24.

Lead, red, 200 pounds, Department of Justice (Danbury, Conn.), invitation 27-1844, October 3.

Lead, white, 6,700 pounds; Department of Justice (Danbury, Conn.), invitation 27-1844, October 3.

Lime, hydrated, 22,200 pounds, Department of Justice (Danbury, Conn.), invitation 27-1841, October 3.

Linseed oil, raw, 165 gallons, Department of Justice (Danbury, Conn.), invitation 27-1844, October 3; 35,945 gallons, State of New York, Albany, October 2; boiled, 31,734 gallons, State of New York, Albany, N. Y., October 2.

Matches, as required October 1 through March 31, U. S. Engineer Office (Galveston, Tex.), invitation 95, September 24.

Nitrous oxide, as required to June 30, 1947, Veterans Administration (New Castle, Del.), invitation 47-20, September 24.

Oxygen, as required to June 30, 1947,

—Continued on page 78

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Gov't Wage-Price Review Ordered

OPD Washington Bureau

A study of the government's wage-price policy with a view to setting up a formula for meeting the second wave of wage increase demands expected from organized labor this Fall has been ordered by President Truman. The study is to be made by a subcommittee of the Advisory Board of the Office of War Mobilization and Reconversion. It will hold its first meeting next week.

Coupled with the policy re-examination will be a determination of what to do about the Wage Stabilization Board, whose prestige has been lowered perceptively by the action of John Steelman, Reconversion Director, last week in overruling the board's order cutting the size of the merchant seamen's pay increase.

The board has been under attack from both industry and labor and it is believed probable that its tri-partite membership of representatives of the public, industry and labor may be replaced by an all public board.

One of the primary aims of the study of the wage-price policy will be to so revise the regulations as to allow for the sharp rises in living costs that have occurred in the last several months, it is understood.

The present wage-price policy was evolved last February to settle the big strikes in steel and other industries. It makes allowance, for price and wage purpose, of only a 33 percent increase in living costs since January 1, 1941, base date of stabilization formulas. Bureau of Labor Statistics surveys show that now living costs have risen a total of 43 percent since the base date.

The committee appointed to make the study is composed of George W. Taylor, chairman, former member of the War Labor Board; Eric Johnston, head of the Motion Picture Producers Association; Phillip Murray, president of the CIO; Nathaniel Dyke of the Federal Deposit Insurance Corporation, and Mrs. Anna Rosenberg of New York. William Green, president of the AFL, is also expected to be named to the group.

Castor Bean, Oil Prices Advanced

OPD Washington Bureau

Higher ceiling prices on castor beans imported from Brazil, and higher prices for No. 1 and No. 3 grades of industrial castor oil were made effective September 18.

Castor bean prices were increased $47 per long ton ton a level of $165, c.i.f. first United States port of arrival, Atlantic or Gulf Coasts, and $167.18 for Pacific Coast ports.

No. 1 and No. 3 grades castor oil derived from castor beans by crushing were advanced 5.2 cents per pound in bulk and 5¼ cents per pound in drum lots. The ceiling on dehydrated bodied castor oil was increased 7.4 cents per pound.

The OPA said that the higher ceilings are not expected to result in any increase in the cost of living inasmuch as castor oil represents only a small part of the cost of manufacture of any of the articles in which it is used.

The increase was required, the agency explained, because the price of castor beans in Brazil has continued to rise until it has reached the level of $142 a long ton.

Linseed Oil Processors' Ceilings Advanced 2c.

The Office of Price Administration made effective September 18 a 2 cents per pound increase in processors' ceilings on linseed oil, which, coupled with a prior 1.3 cents per pound increase, reflects the 65 cents a bushel higher cost of flaxseed. The OPA said that no determination has yet been made as to the effect of the increase on retail ceilings of paints.

At the same time, OPA announced an additional increase of 9.9 cents per gallon in the ceiling price for linseed replacement oil to compensate manufacturers for increased costs of linseed oil, also effective September 18. An increase of 6.4 cents per gallon previously was authorized August 19.

Lead Shortage and Its Remedy

Commentaries of Reconversion Director John R. Steelman, in a letter to the president of the Automobile Manufacturers Association, and of the Civilian Production Administration

Thank you for your telegram of August 28 and your letter of September 6 regarding the shortage of lead and its potential effects upon automobile production. I assure you that the lead situation is one which has been of great concern to this office. We have pressed vigorously for action by all agencies of the government concerned to improve this situation as rapidly as possible.

I am sure that you are aware that the lead shortage is worldwide. World production of lead is substantially below prewar and wartime levels for a variety of reasons, including principally the depletion of developed ore reserves and the absence of new discoveries, the partial or complete wartime destruction of certain mining properties, serious interruptions to production resulting from labor disturbances both at home and abroad, and continued labor shortages accentuated by reduction in working hours. At the same time, world demand for lead is at an all-time high level. The demand has been increased particularly in the last year or so by the return to world markets of European countries which were previously barred by the exigencies of war.

I should like to emphasize that the major factor causing this acute worldwide shortage has been the change in the relative position of the United States. Prior to the war, the United States both imported and exported lead, but on balance we were just about self-sufficient. Today we are drawing on foreign countries for over 100,000 tons of lead metal per year, which was formerly available almost entirely to other consuming countries.

Foreign Purchases Limited

It was for this reason that this government voluntarily agreed to limit its purchases from foreign market to a quantity which, in our judgment, constituted our equitable share of the world supply of lead. The British are similarly limiting their purchases. I might add that the calculation of the U. S. share of the world's supply provides us with a fully equitable allotment by any reasonable standard.

During the first six months of 1946, however, in spite of the fact that foreign purchases of lead were subsidized by the government and that the Reconstruction Finance Corporation, as sole purchaser of foreign lead, was prepared to pay the world market price, we were not able to purchase the full amount of the U. S. quota of lead metal and concentrates. In the second half of 1946 we are experiencing similar difficulty, although most recent indications are that U. S. purchases from abroad will very closely approximate the quota, although deliveries may be rather late in the year.

My office has given very careful attention to domestic production of primary lead. Neither the Price Administrator nor I believe that, with a premium price plan in effect, an increase in the domestic ceiling price of lead would significantly increase production. The impediments to an increase in domestic production are far more basic. I have asked the Civilian Production Administration to press vigorously, with the cooperation of all primary lead producers, an exploration and development program to increase production of primary lead. I am also issuing a directive this week which will modify the premium price plan in several respects so as to increase the incentives for mining of lead ore. I am convinced that these efforts will eventually produce results, but not in the immediate future. For the moment, the most that can be expected is to sustain production at present levels.

Price Increase Not Necessary

The Price Administrator and I are equally convinced that an increase in the price of scrap lead is not necessary to maintain the flow of scrap to secondary refiners. During the interval in which price-controls were not in effect, dealer inventories were largely emptied in anticipation of the return to June ceilings upon the resumption of price-control. Following the return of price-controls, there was a period of apparent uncertainty as to the future price of scrap lead, which was ended with the Price Administrator's announcement on August 29 that no increase in price would be made in the foreseeable future. I strongly support this decision of the Price Administrator. I am convinced, o nthe basis of the preliminary evidence that we now have, that an adequate flow of lead scrap will materialize very soon. Further public statements calling for a reconsideration of the lead scrap price question, such as the publication in the press of your letter to me, will only serve to postpone the day when the objective of an adequate flow of scrap will be achieved.

In the meantime, the Civilian Production Administration is undertaking an investigation of inventories of lead scrap. At present there does not seem to be evidence of excessive inventories, as might be expected from the fact that inventories were reduced to relatively low levels during the hiatus in price controls. If such excessive inventories at either the scrap

—*Continued on page 71*

Washington Talks It Over

The OPD Observer

Liquidation of the Civilian Production Administration is moving forward rapidly—even though quietly. End of the agency by March 31 is now more than a strong probability, it is almost a certainty.

The March 31 goal was selected by CPA Administrator Small a few weeks ago, and since then has been adopted as the aim of the Budget Bureau also, although Congress, before it adjourned last August, provided the agency with sufficient funds to carry on through next June 30. That was at a time when strikes were still threatening production of critical materials, making it appear that CPA priorities and allocation programs might have to continue for a long time. Now the situation has changed, and what remains of CPA after March 31 will be transferred to other agencies.

Right now the CPA is operating with forty-nine orders and nineteen schedules and appendices, exclusive of priority regulations, compared with approximately 650 WPB orders in effect on V-J Day. Of these sixty-eight orders and schedules there are ten under the chemicals division. These are three limitation orders, L-353 on deliveries and processing of cane alcohol, L-354 on production of lead chemicals, and L-355 on consumption of ethyl fluid; four "M" orders, M-54 restricting delivery, use and consumption of molasses, M-131 allocating cinchona bark and alkaloids, M-333 restricting deliveries, use and inventories of tapioca flour, M-390 preventing diversion of hide glue stocks to purposes other than making glue; and the general allocation order M-300 with its three schedules, 118, 119, and 120, controlling distribution of penicillin and streptomycin and allocating potash.

Lead Scrap Hoarding

The government has reason to believe that there might be a considerable amount of hoarding of lead scrap taking place. Reports coming into CPA from users are to the effect that, while they know that there is considerable scrap around, they still are unable to get it at the ceiling price of 8¼ cents a pound.

It is charged that surplus scrap is being sold by the government at more than OPA prices, although those who have heard the reports haven't been able to find out whether such sales are being made by the army, the navy, or the War Assets Administration. Under OPA regula-

—*Continued on page 36*

Soda Ash Under PR No. 28 CC Rating

OPD Washington Bureau

Soda ash has been added to the list of commodities under Priorities Regulation No. 28 on which CC ratings will be granted to essential users by the Civilian Production Administration to obtain their needed supplies. Other users of the material, already facing great difficulty in obtaining their soda ash needs, can, as a result, expect to find their supplies sharply curtailed.

The CPA decision to apply a rating on soda ash was reached over the strongest kind of protests from the industry, and with great reluctance. But, officials explained, there was little else they could do in view of a formal application for a rating, filed by the Kaiser-Permanente Metals alumina plant at Baton Rouge, La., declaring its need for government assistance in obtaining soda ash supplies.

The Kaiser plant is one of the two alumina plants leased from the War Assets Administration and privately operated for the purpose of assuring a balanced aluminum operation in the country and creating competition for the Aluminum Company of America, as directed by Congress and the Department of Justice. The plant, which is to make aluminum for construction, which is high on the list of critical construction materials, will initially require 9,000 tons of soda ash and 1,350 tons a month thereafter. Soda ash is needed to make alumina from bauxite and ultimately aluminum.

Present supplies of aluminum are flowing into industry mainly from government-owned stocks of pig aluminum, alumina, and soda ash, all of which are running low. In the opinion of the Aluminum Branch of CPA, more alumina production is necessary. The Chemicals Division has been advised that 70 percent of the aluminum sheet capacity, or 65 percent of the

—*Continued on page 41*

Pharmaceutical Contact Committee to Meet

OPD Washington Bureau

The Combined Pharmaceutical Contact Committee will hold a two-day meeting at the Statler hotel in this city, October 21, and 22, F. O. Taylor, chairman of the committee has announced.

Because there are no pressing matters relating to USP and NF preparations at this time, the committee plans to devote most of its discussions to standards for non-official medicinals. Also scheduled to be taken up are matters relating to sanitary conditions in drug manufacture, tablet disintegration, weight variations in tablets and weight variations in ampoules and powders.

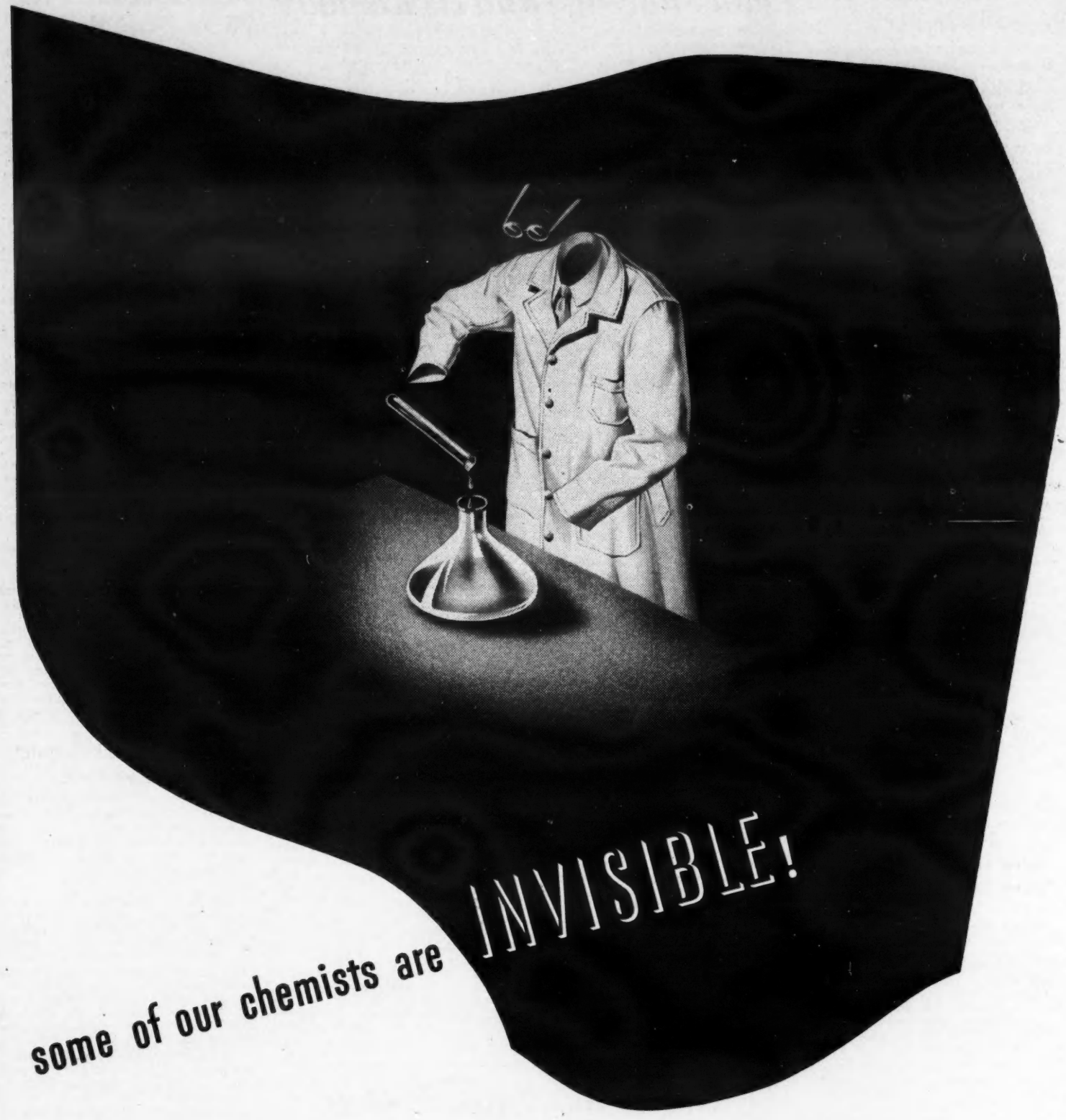
Although the purpose of the committee when it was established more than twenty-years ago was largely to consider standards for non-official medicinals, for the past eight or nine years it has been unable to do much work in this connection because of the pressure of other matters directly concerned with USP and NF preparations. Now that changes in these compendiums are made on an interim basis, the committee intends to devote more of its time to the non-official remedies.

Drug Makers to Meet With Medical Ass'n

OPD Washington Bureau

The American Pharmaceutical Manufacturers Association has accepted the invitation of the American Medical Association to meet with the AMA council on pharmacy and chemistry in Chicago, November 1, to discuss the new rules of the council. The American Drug Manufacturers Association plans to have representatives at the meeting also and will appoint its group later.

Those who will attend for the APMA are James L. Rogers, president, B. F. Ascher, vice-president of George A. Breon & Company, G. R. Flint, president of Flint, Eaton & Co., E. P. Helfaer, president of Lakeside Laboratories, Inc., Gerald Rorer, vice-president of William H. Rorer, Inc., Ronald Helps, vice-president of Schieffelin & Co., and Fred Misch, general manager of Smith-Dorsey Co.



some of our chemists are INVISIBLE!

TWO KINDS of chemists work in our plants and laboratories. Many have doctor's degrees and look just like the rest of us. You can regularly find them at work on our customers' problems. Others are invisible—at least to the unaided eye. These latter are the various bacteria, yeasts, and molds which, no less than human chemists, are capable of manufacturing chemicals.

These two kinds of chemists illustrate the two ways in which Commercial Solvents products are made. The human chemists take natural gas, for instance, and by means of heat, pressure and catalysts rearrange its molecules to form formaldehyde, the nitroparaffins and the methanol which, made into antifreeze, protects the radiator of your car in winter. The microscopic "chemists" take grain or other carbohydrate materials and by fermentation convert them into alcohol, butanol, acetone, riboflavin and penicillin.

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Leather — Ingredient of dressings, particularly for Russian type leathers.

Disinfectant—Ingredient of disinfecting compositions.

Pharmaceutical — In compounding and dispensing practice.

Soap—Ingredient of antiseptic soaps.

Bismuth Benzoate

(Bismuthi Benzoas)

Pharmaceutical — In compounding and dispensing practice (suggested as a substitute for bismuth salicylate internally and for iodoform externally).

Bismuth Hydrogen-Phosphate

Metallurgical — Rustproofing agent (U.S. 1388325) for iron.

Butyric Acid Isobutylester

Chemical — Dispersing agent (Ger. 626880) in making emulsions of various chemicals, textile lubricants in emulsified form.

Cosmetic—Dispersing agent (Ger. 626880) in making cosmetic lotions and the like in emulsified form.

Fats, Oils, and Waxes — Claimed (Ger. 626880) as powerful emulsifier for fats, oils, waxes.

Dispersing agent (Ger. 626880) in making emulsified boring, drilling, sulphonated, and wire-drawing oils, fat-splitting, greasing, and lubricating compositions, and emulsions of oils, fats, fatty acids, and natural and synthetic waxes.

Leather — Dispersing agent (Ger. 626880) in making emulsified fat-liquoring baths, and dressing, finishing, soaking, softening, and waterproofing compositions.

Miscellaneous — Dispersing agent (Ger. 626880) in making emulsified automobile and furniture polishes, greasing and waterproofing compositions.

Paint, Varnish, and Lacquer—Dispersing agent (Ger. 626880) in making waterproofing compositions in emulsified form.

Paper—Dispersing agent (Ger. 626880) in making emulsified compositions for sizing paper and pulp articles or for waterproofing and waxing paper and pulp compositions and paperboard.

Petroleum—Dispersing agent (Ger. 626880) in making emulsified mineral oils, kerosene and naphtha emulsions, soluble greases, solubilized emulsified oils and distillates, various textile oils in emusified form, such as rayon oils.

Soap—Dispersing agent (Ger. 626880) in making emulsified detergents, hand-cleansing compositions, textile soaps.

Textile—Dispersing agent (Ger. 626880) in making emulsified coating, degreasing, sizing, washing, waterproofing, and waxing compositions; emulsified baths for degumming, boiling-off, and soaking silks; oiling emulsions for various textile purposes.

Association Meetings

American Forest Congress, Washington, D. C., October 9-11.

American Oil Chemists' Society, Edgewater Beach hotel, Chicago, October 30-November 1.

Boston Conference on Distribution, Statler hotel, October 14-15.

Federation of Paint and Varnish Production Clubs, Traymore hotel, Atlantic City, N. J., November 4-5.

National Association of Printing Ink Manufacturers, Shoreham hotel, Washington, D. C., September 25-27.

National Paint, Varnish and Lacquer Association, Traymore hotel, Atlantic City, N. J., November 6-8.

National Pest Control Association, Roosevelt hotel, New Orleans, October 28-30.

National Wholesale Druggists Association, Traymore hotel, Atlantic City, September 23-26.

Packaging Machinery Manufacturers Institute, Shawnee Country Club, Shawnee-on-Delaware, Pa., September 29-October 1.

Society of the Plastics Industry, New England section, Equinox house, Manchester, Vermont, October 17-18.

Oils, Fats Consumption: Apr.–June

Factory consumption of primary oils, fats, fatty acids, and related materials in the second quarter of 1946 totaled 2,257,028,000 pounds, according to the Bureau of the Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products other than salad oils	466,538,000
Paint and varnish and printing ink	148,251,000
Processing (fat splitting, winterizing, pressing, sulphonation)	288,072,000
Refining	648,271,000
Soap	501,716,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds	
	Crude	Refined
Babassu—		
Refining	6,599,000	.....
Soap	3,617,000	5,578,000
Other uses	2,000	.....
Castor, crude—	No. 1	No. 3
Refining	.....	237,000
Fat-splitting	5,000	1,628,000
Sulphonation	513,000	1,178,000
Soap	70,000	52,000
Paint and varnish	1,168,000	179,000
Linoleum and oilcloth	174,000	356,000
Printing ink	46,000	9,000
Lubricants and greases	63,000	42,000
Other uses	13,641,000	2,139,600
Castor, processed—	Dehydrated	Sulphonated
Fat-spliting	5,000	.....
Soap	.....	60,000
Paint and varnish	7,849,000	123,000
Linoleum and oilcloth	346,000	.....
Prnting ink	46,000	9,000
Lubricants and greases	4,000	8,000
Other uses	512,000	1,003,000
Coconut—	Crude	Refined
Refining	34,187,000	.....
Fat-splitting	10,269,000	3,077,000
Sulphonation	19,000	1,000
Edible products	.....	97,000
Soap	18,082,000	19,105,000
Paint and varnish	3,000	14,000
Other uses	2,339,000	807,000
Cod—		
Sulphonation	.....	659,000
Paint and Varnish	.....	9,000
Other uses	.....	2,205,000
Codliver—		
Fat-splitting	.....	513,000
Other uses	.....	2,423,000
Corn—	Crude	Refined
Refining	44,619,000	.....
Sulphonation	56,000	200,000
Winterizing for salad oil	.....	1,703,000
Shortening	.....	578,000
Oleomargarin	.....	1,350,000
Other edible uses	.....	1,054,000
Soap	24,000	8,000
Paint and varnish	3,000	1,000
Printing ink	.....	1,000
Lubricants and greases	.....	17,000
Other uses	282,000	324,000
Cottonseed—	Crude	Refined
Refining	173,220,000	.....
Sulphonation	37,000	199,000
Winterizing for salad oil	.....	71,857,000
Shortening	.....	113,200,000
Oleomargarin	.....	46,189,000
Other edible uses	.....	2,694,000
Soap	7,000	49,000
Paint and varnish	2,000	8,000
Lubricants and greases	69,000	67,000
Other uses	23,000	518,000
Fish—		
Fat-splitting	.....	1,051,000
Sulphonation	.....	1,132,000
Shortening	.....	500,000
Soap	.....	4,387,000
Paint and varnish	.....	8,981,000
Linoleum and oilcloth	.....	1,991,000
Printing ink	.....	129,000
Lubricants and greases	.....	224,000
Other uses	.....	14,033,000
Fishliver—		
Sulphonation	.....	104,000
Lubricants and greases	.....	4,000
Other uses	.....	1,431,000
Linseed—		
Fat-splitting	.....	389,000
Sulphonation	.....	2,000
Soap	.....	187,000
Paint and varnish	.....	96,091,000
Linoleum and oilcloth	.....	17,712,000
Printing ink	.....	8,888,000
Lubricants and greases	.....	212,000
Other uses	.....	22,312,000
Marine mammal—		
Refining	.....	788,000
Paint and varnish	.....	11,000
Printing ink	.....	1,000
Lubricants and greases	.....	1,224,000
Other uses	.....	563,000
Neatsfoot—		
Refining	.....	8,000
Winterizing and pressing	.....	25,000
Sulphonation	.....	101,000
Soap	.....	10,000
Printing ink	.....	3,000
Lubricants and greases	.....	73,000
Other uses	.....	844,000
Otticica—		
Paint and varnish	.....	3,399,000
Linoleum and oilcloth	.....	730,000
Printing ink	.....	105,000
Other uses	.....	565,000
Oleo—		
Shortening	.....	347,000
Oleomargarin	.....	456,000
Other edible uses	.....	88,000
Soap	.....	846,000
Lubricants and greases	.....	5,000
Other uses	.....	18,000
Olive—	Edible	Inedible
Edible uses	37,000	.....
Soap	.....	53,000
Other uses	4,000	17,000
Palm—	Crude	Refined
Refining	50,000	.....
Soap	1,306,000	133,000
Lubricants and greases	37,000	7,000
Other uses	10,034,000	681,000
Palmkernel—	Crude	Refined
Fat-splitting	2,235,000	.....
Soap	1,115,000	83,000
Other uses	13,000	.....
Peanut—	Crude	Refined
Refining	24,662,600	.....
Sulphonation	15,000	691,000
Winterizing for salad oil	.....	911,000
Shortening	.....	8,607,000
Oleomargarin	.....	2,440,000
Other edible uses	.....	1,933,000
Soap	3,532,000	46,000
Printing ink	1,000	.....
Other uses	5,000	751,000
Perilla—		
Soap	.....	2,000
Paint and varnish	.....	16,000
Printing ink	.....	1,000
Rapeseed—		
Soap	.....	16,000
Lubricants and greases	.....	2,602,000
Other uses	.....	1,364,000
Sesame—		
Winterizing for salad oil	.....	221 000
Other uses	.....	22,000

	Pounds	
	Crude	Refined
Soybean—		
Refining	351,971,000	.....
Fat-splitting	267,000	424,000
Sulphonation	127,000	256,000
Winterizing for salad oil	.....	15,734,000
Shortening	.....	184,313,000
Oleomargarin	.....	47,482,000
Other edible uses	.....	11,765,000
Soap	457,000	247,000
Paint and varnish	1,033,000	4,848,000
Printing ink	.....	3,000
Lubricants and greases	50,000	55,000
Other uses	4,420,000	7,046,000
Tallow—		
Soap	.....	310,000
Lubricants and greases	.....	2,541,000
Other uses	.....	23,000
Tung—		
Paint and varnish	.....	5,628,000
Linoleum and oilcloth	.....	1,000
Printing ink	.....	102,000
Lubricants and greases	.....	11,000
Other uses	.....	757,000
Vegetable, not specified—		
Refining	.....	1,474,000
Fat-splitting	.....	4,000
Sulphonation	.....	77,000
Winterizing for salad oil	.....	2,796,000
Shortening	.....	1,442,000
Other edible uses	.....	65,000
Soap	.....	67,000
Paint and varnish	.....	1,362,000
Linoleum and oilcloth	.....	89,000
Printing ink	.....	3,000
Other uses	.....	388,000

Fats and Greases

	Pounds
Grease and lard oil—	
Sulphonation	904,000
Edible uses	1,000
Soap	2,158,000
Lubricants and greases	4,673,000
Other uses	3,709,000
Grease, not specified—	
Refining	206,000
Fat-splitting	15,120,000
Winterized and pressing	20,164,000
Sulphonation	29,000
Soap	96,647,000
Printing ink	40,000
Lubricants and greases	6,849,000
Other uses	1,321,000
Lard, rendered—	
Shortening	3,891,000
Oleomargarin	451,000
Other edible uses	1,570,000
Soap	5,000
Prigting ink	3,000
Lubricants and greases	56,000
Other uses	27,000
Stearin, animal—	Inedible
Fat-splitting, pressing, sulphonation	1,953,000
Shortening	3,664,000
Oleomargarin	383,000
Other edible uses	72,000
Soap	.....
Lubricants and greases	3,000
Other uses	56,000
Stearin, vegetable—	
Shortening	19,092,000
Oleomargarin	5,000
Other edible uses	10,000
Other uses	28,000
Tallow—	Edible
Fat-splitting	.....
Winterizing and pressing	.....
Sulphonation	3,000
Shortening	10,667,000
Oleomargarin	6,000
Other edible uses	1,789,000
Soap	2,588,000
Paint and varnish	.....
Printing ink	.....
Lubricants and greases	65,000
Other uses	152,000
Woolgrease—	
Refining	1,576,000
Sulphonation	5,000
Soap	177,000
Paint and varnish	5,000
Printing ink	44,000
Lubricants and greases	836,000
Other uses	1,706,000

Fatty Acids and Acid Stocks

	Pounds
Animal fat and oil fatty acids, not specified—	
Winterizing and pressing	98,091,000
Sulphonation	38,000
Soap	24,963,000
Paint and varnish	71,000
Lubricants and greases	1,922,000
Other uses	2,493,000
Animal oil foots (100% basis)—	
Soap	6,279,000
Other uses	344,000
Fatty acid stocks, not specified—	
Refining	8,668,000
Fat-splitting	7,558,000
Sulphonation	56,000
Soap	8,007,000
Paint and varnish	3,587,000
Linoleum and oilcloth	1,066,000
Lubricants and greases	402,000
Other uses	6,369,000
Fish and marine mammal oil fatty acids—	
Sulphonation	281,000
Soap	874,000
Lubricants and greases	461,000
Other uses	1,125,000
Fish and marine mammal oil foots (100% basis)—	
Soap	6,000
Lubricants and greases	54,000
Other uses	2,152,000
Olive oil foots (including sulphur oil)—	
Soap	135,000
Red oil—	
Sulphonation	1,016,000
Soap	8,145,000
Paint and varnish	247,000
Printing ink	76,000
Lubricants and greases	794,000
Other uses	8,388,000
Stearic acid—	
Sulphonation	17,000
Soap	1,702 000
Paint and varnish	130,000
Printing ink	24,000
Lubricants and greases	1,108,000
Other uses	11,291,000
Vegetable oil fatty acids—	
Sulphoration	185,000
Soap	27,892,000
Paint and varnish	3,476,000
Lubricants and greases	417,000
Other uses	8,097,000
Vegetable oil foots (100% basis)—	
Fat-splitting	23,718,000
Soap	13,130,000
Paint and varnish	548,000
Other uses	1,232,000

Unclassified

	Pounds
Materials not shown separately—	
Refining	12,000
Fat-splitting	228,000
Sulphonation	54,000
Paint and varnish	46,000
Linoleum and oilcloth	190,000
Printing ink	31,000
Lubricants and greases	255,000

Farm Chemical Needs Told by Lockwood

Agriculture in the United States will require approximately 14,000,000 tons of chemicals for the year ending June 30, 1947, Maurice H. Lockwood, president of the National Fertilizer Asso-

Maurice H. Lockwood

ciation, declared before the Chemical Market Research Association, at a meeting in the Biltmore hotel, New York, September 17.

Barring interruptions of supply, Mr. Lockwood said that this will be 91 percent more ton volume and 103 percent more of the three major plant nutrients than was used on an average during the five years 1935 through 1939.

Dollars spent nationally each year for fertilizers closely reflect the farm income during the preceding year. Mr. Lockwood said neither ton volume nor the quantity of plant nutrients follows the dollar sign, however. He added that the 1921 and 1937 records show that in each of these years the dollars spent by agriculture in the United States for fertilizers was approximately $253,000,000, yet in 1937 those dollars secured for their use

—Continued on page 48

Oil Chemists to Meet Oct. 30 in Chicago

The twentieth annual Fall meeting of the American Oil Chemists' Society will be held at the Edgewater Beach hotel, Chicago, October 30 through November 1. Two symposia, one on drying oils and one on the industrial uses of oils and fats, and the presentation of several papers on soaps will feature the technical program.

Du Pont Names Research Lab after Carothers

The nylon research laboratory at the Wilmington, Del., experimental station of E. I. du Pont de Nemours & Co., has been dedicated as the "Carothers Research Laboratory," in honor of the late Wallace H. Carothers, who headed the team of scientists that first synthesized nylon.

Book Reviews

Poisons, Their Chemical Identification and Emergency Treatment, by Vincent J. Brookes and Hubert N. Alyea, 209 pages, 8¼ x 5¼, D. Van Nostrand Company, Inc., New York, $3.00.

This is a complete reference book of poisons, with all data presented in a readily available alphabetical manner. An important feature is the series of tables concerned with emergency information which briefly summarize uses, symptoms and immediate treatment of all the poisons.

Soap In Industry, by George Leffingwell and Milton Lesser, 204 pages, 8½ x 5¼, Chemical Publishing Company, Inc., Brooklyn, N. Y., $4.00.

This book is a practical treatise with many suggestions as to the utilization of soaps in manufacturing processes. Soap-like products, whose raw materials are fats and oils, are treated separately in discussions of individual industries.

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Current Market Quotations Chemicals and Related Materials

September 19, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs.....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs.....lb. .35 - .37

Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1] dms., c.l., dlvd.lb. .07 - —
l.c.l., dlvd..lb. .07½- —
tanks, dlvd.....lb. .06 - —

Methyl (see M).

Acetonitrile, dms., c.l., works.lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works.lb. .50 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms.....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works.lb. .60 - —

Acid, abietic, doms., c.l., wks..lb. .07½- —

Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., C.P., dms., works..100 lbs.12.50 -13.25
99.5%, bls.....100 lbs. 9.15 - 9.40
tanks.....100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works....100 lbs. 6.93 - 7.25
USP, dms., works.100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.99
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots.....lb. .46 - .59

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, USP, cryst., powd., bbls., frt. adjusted.lb. 1.25 - 1.30

Anthranilic, resub., bbls....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs....lb. .20 - .22

Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - —
l.c.l., E. works... .100 lbs. 1.95 - 2.55

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works. lb. .95 - —

Boric, tech., 99.5% cryst. (same as prices for powder). gran., bgs., c.l., frt. alld.. ton.99.90 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —

Broener's, bbls.....lb. 1.11 - —

Acid, cacodylic, bots. .....lb.13.50 -14.50
Camphoric, cns. .....lb. No stocks
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms...lb. No stocks

Chlorosulphonic, dms., c.l., works..lb. .06 - —
l.c.l., works .....lb. .06½- .04½
tanks, works .....lb. .02½- —

Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19

Cinnamic, refd., bots.....lb. 3.00 - 3.25

Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots, bbls. .....lb. .23 - —
dms. .....lb. .25½- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs., 1 ship't. lb. .20½- —
smaller lots, bbls. .....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.

Cleve's, bbls. .....lb. .65 - —

Coconut oil,[1] dist., dms.....lb. .17½- .19½

Corn oil,[1] s.d., dms., c.l., wks. lb. .12 - —

Cottonseed oil,[1] s.d., dms., c.l. lb. .12 - .13
tanks, dlvd. .....lb. .11¼- .12¼

Cresylic dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - .96
l.c.l., same basis....gal. .83 - .98
tanks .....gal. .75 - .90

Petroleum, heavy grade (247°-298°), dms., 20 Cal. ref..gal. .490 - —
Sewaren, N. J., ref. gal. .616 - —
1-19, Cal., ref....gal. .510 - —
Sewaren, N. J., ref. gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), dms., 20 Cal. ref.gal. .50 - —
Sewaren, N J., ref. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref. gal. .696 - —
tanks., dlvd. ....gal. .646 - —

Crotonic, bbls., Canadian, wks. lb. .25 - —

Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95

Diethylbarbituric (see Barbital).

F (see Acid, monosulphonic).

Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - .11½

Fumaric, tech., bbls., dms..lb. .27 - .31

Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15

Gamma, bbls.....lb. .85 - —

Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15

Glutamic hydrochloride, dms., lb. 2.00 - 2.40

Glycolic (see Acid, hydroxyacetic).

H, bbls.....lb. .43½- .45

Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —

Hydrobromic, medicinal, 48%, cbys., dlvd. E..lb. .48 - —
tech., 48%, cbys., same basis, lb. .45 - —
34%, cbys., same basis.....lb. .35 - .37

Hydrochloric (see Acid, Muriatic).

Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .30 - .40

Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .13½- —

Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09

Hydroxyacetic, 70% tech., bbls., non-return, Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .085 - —

Hypophosphorous, USP, djns., lb. .75 - .77

Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24¼- .24¾

plastic grade, 50%, bbls., cbys., 20 or more..lb. .14¼- —
10 or less.....lb. .14¾- .15¼
80%, bbls., cbys., 5 or less, lb. .26 - .26¼

tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —

USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55

Acids, Laurent's, bbls.....lb. .45 - —
Lauric, dist., 95%, dms.....lb. .28 - —
Linseed oil,[1,7] tankcars.....lb. .209 - —
Dist., tankcars.....lb. .2320- —
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic,[1] kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, fake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms..... No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, works.....lb. .12 - —
Nicotinic, USP, dms., works... kilo. 6.00 - 6.30
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra...lb. .15 - —
dealers, cbys. extra....lb. .11½- —
7-lb. bots., cs., extra...lb. .13½- —
Oleic (see Oil, Red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[3] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil, s.d., tanks, works. lb .11¼- —
Phenylacetic, bots. .....lb. 1.60 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld.. 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon. dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys. .....lb. .13 - —
70-lb. cbys. .....lb. .10½- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns..lb. .07 - .07½
Picramic, kgs. .....lb. .65 - .70
Picric, bbls. .....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works .....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.03
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms. .....lb. 2.60 - 2.65
Pyroligneous, dms., ex whse. gal. .29 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l...lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots .....lb. .36 - .44
Sebasic, tech., dms., c.l., works, lb. No stocks
Soybean oil,[1] s.d., dms., works. lb. .11¾- .16½
tanks, works .....lb. .11 - .15¾
Stearic,[1] double pressed, bgs., c.l., dlvd. E. Rockies..lb. .15⅞- —
W. of Rockies.....lb. .16⅜- —
Texas and Okla., dlvd. lb. .16⅜- —
single pressed, bgs., c.l., dlvd. E. of Rockies..lb. .15⅜- —
W. of Rockies.....lb. .16⅜- —
Texas and Okla., dlvd. lb. .15⅞- —
triple pressed, bgs., c.l., dlvd. E. of Rockies..lb. .18⅜- —
W. of Rockies.....lb. .19⅜- —
Texas and Okla., dlvd. lb. .19½- —
Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.
Succinic, bbls. .....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.. 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —

Acid, sulphuric, CP, USP, consumers cbys., extra..lb. .08 + —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra....lb. .06½- —
9-lb. bots., cs. extra..lb. .08½- —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs.. lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric,[7] USP, cryst., gran., powd, bbls., 10,000 lbs., 1 ship't..lb. .62½- —
smaller lots.....lb. .63 - —
kgs. .....lb. .63½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 3.00
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[1] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.40 - —
Acrylonitrile, dms., c.l., works. lb. .26 - —
l.c.l., works.....lb. .25½- —
tanks, works.....lb. .25 - —
Adeps lanae[1] USP, anhyd., cosmetic, dms., works.lb. .28 - .30
pharmaceutical, dms., works, lb. .26 - .28
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 2.85 - 2.90
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg edible,[1,7] cryst., gran., bbls. lb. 1.51 - 1.80
powd., bbls.....lb. 1.86 - 1.94
tech., cryst., bbls.....lb. 1.05 - 1.50
Alcohol, allyl, dms., c.l., dlvd.lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld., E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .90 - —
dms. .....lb. .65 - .80
Butyl, normal,[1] ferment., Ill., Ind. prod., dms., c.l., frt. alld..lb. .253 - —
l.c.l., frt. alld. E....lb. .258 - —
tanks, frt. alld. E.....lb. .243 - —
tankwagon, frt. alld...lb. .248 - —
other production, dms., c.l., frt. alld. E..lb. .216 - —
l.c.l., frt. alld. E....lb. .221 - —
tanks, frt. alld. E....lb. .206 - —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E.....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —
Normal butyl alcohol prices in West, ½c. per lb. higher.
secondary, dms., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tertiary, denat., dms., c.l..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works....lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs..lb. 1.75 - 1.80
smaller lots.....lb. 1.95 - 2.30
Cinnamic, bots.....lb. 3.00 - 3.25
Denatured,[1,7] CD14, dms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal. .633 - .653
tanks, E., dlvd.....gal. .543 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .612 - —
l.c.l., works, E.....gal. .632 - .652
tanks, E. works.....gal. .542 - —
Anhydrous 5c. per gal. higher.
SD2B, dms., c.l., wks.. E.gal. .60½- —
l.c.l., works, E.....gal. .63½- .65½
tanks, E. works.....gal. .53½- —
SD23G, dms., c.l., works.gal. .652 - —
l.c.l., works.....gal. .672 - —
tanks, works.....gal. .582 - —
SD23H, dms., c.l.....gal. .61 - —
l.c.l., works, E.....gal. .63 - .66½
tanks, E. works.....gal. .54 - —
SD29, denatured, with acetaldehyde, dms., c.l., E. works, gal. .62 - —
l.c.l., works, E.....gal. .66½- .68½
tanks, E. works.....gal. .55 - —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD21 plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., works, E..gal. .63 - —
l.c.l., works, E.....gal. .65 - .68
tanks, E. works.....gal. .56 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .12 - .15
tanks, dlvd.....lb. .10½- .13½
tech., dms., c.l., dlvd.....lb. .11 - .13½
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .12½

Controls on Materials

Applications of CPA, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

[3]—General Limitation Order

[4]—General Preference Order

[5]—Conservation Order

[6]—Allocation

[7]—War Food Order

Alcohol, ethyl, 190 pf., dms., c.l. works..gal. 17.72½- —
l.c.l., works..gal. 17.76 -17.79
tanks..gal. 17.65½- —
absolute, dms., c.l., works..gal. 18.67½- —
l.c.l., works..gal. 18.71 -18.74
tanks..gal. 18.60½- —
Ethylhexyl, dms., c.l., works..lb. .25 - —
l.c.l., works..lb. .26 - —
tanks, works..lb. .24 - —
Furfuryl, tech., cns., works..lb. .55 - —
dms., c.l., works..lb. .22½- —
l.c.l., works..lb. .25 - —
tanks, works..lb. .19 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works..lb. .0660- —
tanks, works..lb. .0760- —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd..gal. .38 - —
l.c.l., dlvd..gal. .41 - —
tanks, dlvd..gal. .31½- —
99%, dms., incl., c.l., dlvd.. gal. .41½- —
l.c.l., dlvd..gal. .44½- —
tanks, dlvd..gal. .35 - —
Methyl (see Methanol).
Methylamyl (see Carbinol methylisobutyl).
Octyl, perfumer's grade, bots..lb. 4.25 - —
Phenylethyl, dms..lb. 2.30 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .63
Propyl, normal, dms., works..gal. .67 - —
smaller containers, works. gal. .82 - —
tanks, works..gal. .60 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .55 - —
dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis..lb. .50 - —
Aldol, dms., works..lb. .13 - .15
denaturing grade, dms..gal. 1.20 - —
Aletris root, bgs..lb. 2.25 - 2.30
Algarobilla,[1] c.l., ex dock.. long ton. 80.00 -83.30
Algarobilla price based on ocean frt. at $12 and $1 insurance per long ton.
Algin, bbls., fib. dms..lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs..lb. .85 - .90
Allspice,[1] Mexican, futures, bgs. lb. .22½- .23
Allyl bromide, cbys., 5,000 lbs., works..lb. .90 - —
smaller lots, works..lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd..lb. .13½- —
l.c.l., dlvd..lb. .14 - —
tanks, dlvd..lb. .12½- —
Aloe, Cape, cs..lb. .42 - .43
Curacao, kgs..lb. .42 - .43
Socotrine, kgs..lb. .47 - .49
Aloin, bbls., dms., kgs..lb. 4.50 - 4.80
Alphanaphthol, bbls..lb. .52 - —
Alphanaphthylamine, bbls..lb. .32 - —
Alphanaphthylthiourea, fib. dms., works, frt. alld..lb. 4.00 - 4.40
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .28¼
Alphapinene, from gum turpentine, dms., c.l., wks..gal. 1.02½- —
l.c.l., works..gal. 1.04½- —
tanks, works..gal. .99½- —
from steam-distilled wood turpentine, tanks, works..gal. .71¾- —
Alphaterpineol, dms., c.l., works. lb. .1340- —
l.c.l., works..lb. .1390- —
tanks, works..lb. .1200- —
Alphacocopherol, amp..gram. 1.00 - 1.10
Althea root, NF, peeled, bls..lb. .43 - .45
Alum, ammonia, bcrnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works..100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works..100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works..100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works. 100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works..100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works..100 lbs. 4.65 - —
dlvd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls..lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd..100 lbs. 4.25 - 5.00
Alumina, classified, grade, grd., kgs., works..lb. .35 - .67
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .40
Acetate, basic solution, 24%, bbls., l.c.l., works..lb. .09½- .10
20%, bbls., l.c.l., works..lb. .08½- .09
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works..lb. .09 - .12
cryst., com'l, dms., c.l., works. lb. .06 - —
l.c.l., works..lb. .06½- .06¾
solution, 32 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works..lb. .03½- —
Fluoride, tech., bbls..lb. .25 - —
Formate, solution, 32-20° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chi..lb. .09½- —
l.c.l., works, same basis. lb. .10 - —
Hydrate, heavy bgs., c.l., works, lb. .024- .061
l.c.l., works..lb. .035- .040
light, bgs., dlvd..lb. .14½- —
bbls., dlvd..lb. .15 - —
Hydroxide, gel tech., min. 15% Al (OH)$_3$, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03¼
ton lots, same basis..lb. .03¼- .05½
smaller lots, same basis. lb. .03¾- .04
8-9½% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works..lb. .16¾- —
14-15% Al_2O_3, fib. dms., wks..lb. .20¾- —
contract, works..lb. .19¾- —
dried, USP XII, fib., dms., works..lb. .78 - —
contract, works..lb. .75 - —
powder, tech. (see Alumina hydrate)
USP IX, bbls., dms..lb. .15 - .17
Laurate, precip., bbls..lb. .25 - .26
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .19 - —
Oleate, dms., contract..lb. .24½- —
Resinate, precip., dms..lb. .18½- —
Stearate, precip., ctn., c.l..lb. .23 - —
l.c.l..lb. .24 - —
Sulphate, com'l, bgs., c.l., works. frt. equald..100 lbs. 1.15 - 1.20
l.c.l., works, frt. equald.. 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.40
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works, 100 lbs. 1.75 - —
l.c.l., works..100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).

Aluminum, 98-99%, c.l..lb. .15 - —
l.c.l..lb. .15 - .16
paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink, 150-lb. dms..lb. .71 - —
standard, 200-lb. dms..lb. .38 - —
powder, lining, extra fine, 150-lb. dms..lb. .93 - —
litho, 150-lb. dms..lb. .60 - —
standard, 200-lb. dms..lb. .62 - —
rubber comp., 200-lb. dms..lb. .42 - —
unpolished, stand., dms..lb. .38 - —
varnish, stand., 300-lb. dms.. lb. .42 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins..oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms..lb. 4.00 - 4.40
Ammonia acetate, reagent, crystals, bbls..lb. .34 - —
purified, bbls..lb. .32 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton. 59.00 - —
pure, cyls..lb. .14½- —
refrigeration, tanks, works... ton. 61.50 - —
Aqua, 26°, cbys..lb. .05¼- —
dms., c.l..lb. .02¼- —
l.c.l..lb. .02½- —
tanks, works (NH_3 content). ton. 65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld..lb. .43 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l..lb. .0564- —
Bichromate, bbls..lb. .23 - .25
Bifluoride, bbls..lb. .15 - .15½
Borate, gran., bbls., kgs..lb. .1080- —
powd., bbls., kgs..lb. .1130- —
Bromide, gran., NF, bbls..lb. .28 - —
dms..lb. .29 - —
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms..lb. .08¼- .09¼
cns..lb. .14¼- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls..lb. .75 - —
dms..lb. .80 - .85
Fluoride,[6] bbls..lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms..lb. 1.25 - 1.27
jars..lb. 1.30 - 1.35
Iodide, NF, bots..lb. 3.71 - —
jars..lb. 3.65 - —
Linoleate, 80%, anhyd., bbls..lb. .12 - —
Molybdate,[6] c.p., cryst., kgs..lb. 1.26 - 1.38
fine cryst., bbls., kgs..lb. .84 - .87
purified, dms..lb. 1.10 - 1.12
Nitrate,[1] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point..ton. 52.00 - —
bulk, same basis..ton. 46.00 - —
tech., bgs., works..100 lbs. 4.35 - 4.50
bbls., works..100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va..ton. 32.50 - —
Oleate, dms..lb. .14 - —
Oxalate, fine gran., bbls..lb. .23 - —
dms..lb. .25 - .29
Perchlorate, kgs..lb. No stocks
Persulphate, kgs..lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .37 - .39
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works..lb .07¾- —
monobasic, pure, bbls..lb. .39 - .41
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works..lb. .07¾- .08¼
Salicylate, NF, dms., kgs..lb. 1.15 - 1.16
Silicofluoride, bbls..lb. .15 - .18
Stearate, anhydrous, dms..lb. .34 - —
paste, dms..lb. .06½- —
Sulphamate, bbls., dms., works. lb. .18 - .29
Sulphate,[1] bulk, producing ovens..ton. 30.00 - —
Sulphide, liquid, 40-45% basis 100% dms., c.l., works..lb. .09 - —
l.c.l., dlvd..lb. .15 - —
tanks, dlvd..lb. .07½- —
red, 48%, cbys., works..lb. .08 - —
dms., works..lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works..lb. .06 - —
Sulphocyanide, CP, bbls..lb. .55 - —
jars..lb. .97 - —
tech., bbls..lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25

Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works.... 100 lbs. 5.50 - 5.75
l.c.l., works..100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis. 100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .17 - —
l.c.l., dlvd..lb. .17½- —
tanks, dlvd..lb. .16 - —
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .16½- —
l.c.l., same basis..lb. .17½- —
tanks, same basis..lb. .15½- —
Alcohol (see Alcohol, amyl).
Butyrate dms..lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works..lb. .08 - —
tanks, works..lb. .06 - —
Ether, dms., c.l., works..lb. .095 - —
l.c.l., works..lb. .102 - —
tanks, works..lb. .085 - —
Nitrite, USP, bots..lb. 1.72 - 1.85
Mercantan, dms., works..lb. 1.10 - —
Salicylate, bots..lb. .68 - .85
Stearate, dms., works..lb. .42 - .45½
Anethol, com'l, dms., works..lb. .637 - .68½
NF, dms..lb. 2.20 - 2.85
Angelica dom. atropurpurea root, bls..lb. 1.30 - 1.40
imported, natural, bls..lb. 2.50 - 2.60
Angostura bark, bls..lb. .35 - .36
Anilin oil, dms., c.l., works, frt. alld..lb. .12 - —
l.c.l., works, frt. alld..lb. .13 - —
tanks, works, frt. alld..lb. .11 - —
Salt, dms., works..lb. .22 - .24
Anise, Argentine, bgs., afloat..lb. .46½- .47
Bulgarian, bgs..lb. No stocks
Chinese, star..lb. .21 - .22
Cyprus, bgs..lb. No stocks
Mexican, bgs..lb. .50 - .51
Syrian, bgs..lb. .49½- .50
Turkish, bgs..lb. No stocks
Anisic aldehyde, dms..lb. 2.75 - —
cns., bots..lb. 2.90 - 3.05

Annatto, paste, bxs..lb. .34 - .39
Seed, bgs..lb. .13½- .13¾
Anthracene, 80-85%, bbls., works. lb. .55 - —
90%, bbls., works..lb. .65 - —
Anthraquinone, 99.5%, bbls..lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys..lb. .17 - —
Metal,[1,4] bulk, c.l., works..lb. .14½- .17½
Needle,[1,6] Bolivian, brown, 67%, cs..lb. .16½ Nom.
Chinese, black, 70%, cs..lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l..lb. .17 - —
l.c.l..lb. .17½- —
paint grade, bgs., c.l..lb. .17 - —
l.c.l..lb. .17½- —
Salt,[1,6] 65%, bgs., c.l., dlvd. E. of Miss. River..lb. No stocks
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works..lb. .17½- —
Antipyrine, bbls., kgs., ton..lb. 2.00 - —
smaller lots..lb. 2.10 - 2.20
Apomorphine, bots..oz. 23.20 -23.70
Archil extract, bbls..lb. No stocks
Areca nuts, powd., bbls..lb. .15½- .16
Arecoline hydrobromide, bots..oz. 6.10 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos (100% purity)..lb. .35.00 -36.00
Arnica flowers, bbls..lb. 1.65 Nom.
Arrowroot, powd., bgs., bbls..lb. .12 - .16
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l..lb. No prices
Sulphide, yellow, bbls..lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l..lb. .05 - —
l.c.l..lb. .05¾- —
Asafetida, cs..lb. .70 - .75
powd., bbls., dms..lb. .94 - .95
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber,[1] 5D and 5K, bgs., c.l. (20 tons), Cana. mines. ton. 49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton. 44.00 - —
6D, bgs., c.l. (20 tons), same basis..ton. 32.00 - —
7D, bgs., c.l., same basis..ton. 28.50 - —
7F, bgs., c.l., same basis..ton. 26.50 - —
7H, bgs., c.l., same basis..ton. 22.50 - —
7K, bgs., c.l., same basis..ton. 19.00 - —
7M, bgs., c.l., same basis..ton. 16.50 - —
7R, bgs., c.l., same basis..ton. 15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l..ton. 36.40 - —
l.c.l..ton. 41.40 - —
Cuba, A, bulk, c.l..ton. 60.00 - —
l.c.l..ton. 90.00 - —
B, bulk, c.l..ton. 38.50 - —
l.c.l..ton. 55.00 - —
Egyptian..ton. No stocks
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton. 30.00 -32.00
270-295° fusing point, bgs., mines..ton. 30.50 - —
seconds, 300-390° F. fusing point, not uniform, bgs., mines..ton. 25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton. 30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .05¾- .12
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton. 30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton. 27.50 - —
South American, refd., dms., c.l., N. J. refy..ton. 22.00 -23.00
l.c.l., same basis..ton. 24.00 -25.00
tanks, same basis..ton. 15.00 - —
Atropine, bots..oz. 9.85 - —
Sulphate, bots..oz. 7.35 - —

B

Balm of Gilead buds, bgs..lb. 2.25 - 2.50
Barbasco root,[1] (see Cube root).
Barberry root bark, bgs..lb. .78 - .80
Barbital, dms..lb. 3.50 - 3.60
sodium, dms..lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton. 43.00 - —
precip., bgs., c.l., works..ton. 60.00 -70.00
l.c.l., works..ton. 65.00 -75.00
bbls., c.l., works..ton. 65.00 -75.00
l.c.l., works..ton. 70.00 -80.00
Chlorate, kgs., works..lb. .27½- .31
Chloride, CP, cryst., bbls..lb. .25 - .27
pure, bbls., kgs..lb. .10 - .12
tech., cryst., bgs., c.l., works. ton. 73.00 - —
l.c.l., works..ton. 78.00 - —
bbls., c.l., works..ton. 75.00 - —
l.c.l., works..ton. 80.00 - —
Dioxide, dms., c.l., works..lb. .10 - —
l.c.l., works..lb. .12 - .13
Fluoride, bbls..lb. .18 Nom.
Hydrate, crystals, bbls..lb. .06½- .07½
Hydroxide, bbls., works..lb. .15 - .16
Iodide, bots..lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works..lb. .09½- .11½
l.c.l., works..lb. .10 - .11½
Oxide, dms., c.l., works..lb. .11½- .12
l.c.l., works..lb. .14 - .15
grd. dms., l.c.l., works..lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls..lb. .17 - .19
Stearate, ctns., 1 ton up..lb. .34½- —
smaller lots..lb. .35½- —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls..lb. .09½- .10
kgs..lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton. 27.65 - —
l.c.l., same basis..ton. 28.65 - —
ex whse., N. Y..ton. 36.00 - —
paper bags, c.l., St. Louis..ton. 25.35 - —
l.c.l., same basis..ton. 26.35 - —
ex whse., N. Y..ton. 34.00 - —
Southern, off-color, bgs., mines. ton. 17.50 - —
95.75% bgs., mines..ton. 18.00 - —
Ore, approx. 34% $BaSO_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines..ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs..lb. .12 - .13
Belladonna leaves, bls..lb. 1.25 - 1.35
Root, bls..lb. 1.35 - 1.40
Bentonite, 200 mesh, bgs., works. ton. 11.00 - —
325 mesh, bgs., works..ton. 16.00 - —
Benzaldehyde, NF, dms..lb. .70 - 1.10
tech., cbys., dms..lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls..lb. .70 - —
Benzocaine, cns..lb. 3.20 - 3.55
Benzol (benzene), pcre, nitration and 90%, dms., works, gal. .20 - —
tanks, E. of Omaha, frt. alld..gal. .15 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms..lb. 1.15 - 1.20
Benzoyl chloride, cbys..lb. .20½- .24
Peroxide, pure, gran., fib. ctns., works..lb. .90 - 1.05
Benzyl acetate, f.f.c., cns..lb. .495- .70
dms..lb. .55 - .60
Alcohol (see Alcohol, benzyl).

Benzyl benzoate, f.f.c., dms..lb. 1.00 - 1.15
Chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, cbys..lb. .21 - —
Cinnamate, cns..lb. 4.00 - 6.35
Formate, cns..lb. 2.10 - 2.75
Propionate, bots..lb. 1.80 - 2.45
Salicylate, bots..lb. 1.80 - 1.85
Benzylidinacetone, bots..lb. 2.00 - 2.70
Benzylisoeugenol, bots..lb. 9.50 - —
Berberine bisulphate, cns..lb. No stocks
Hydrochloride, bots..lb. No stocks
Sulphate, cns..lb. No stocks
Berberis root, bls..lb. .30 - .35
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works..lb. .21 - —
l.c.l., works..lb. .23 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms..lb. 5.00 - —
Betanaphthylamine, tech., works. lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.60 - —
l.c.l., works..lb. 1.85 - —
95%, dms., works..lb. 2.05 - —
98-99%, works..lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works..lb. .24½- —
Beth root, bls..lb. .45 - .50
Bismuth chloride, bots..lb. 3.00 - —
jars..lb. 2.85 - —
Citrate, USP VIII, bots..lb. 2.81 - 2.90
jars..lb. 2.75 - —
Hydroxide, bots..lb. 3.41 - 3.46
cns..lb. 3.35 - —
Metal, ton lots..lb. 1.60 - —
Nitrate, cryst., bots..lb. 1.41 - 1.49
cns..lb. 1.30 - —
Oxychloride, bots..lb. 3.14 - 3.19
cns., dms., kgs..lb. 3.10 - —
Subbenzoate, bots..lb. 3.51 - —
fib. dms..lb. 3.40 - —
Subcarbonate, USP, bbls., dms. lb. 1.50 - 1.53
bots., cns..lb. 1.59 - 1.63
X-ray, 5-lb. bots..lb. 2.79 - —
fib. dms..lb. 2.72 - —
Subgallate, NF, bots., cns..lb. 1.49 - 1.53
fib. dms..lb. 1.40 - 1.43
Subiodide, bots..lb. 4.19 - 4.25
fib. dms..lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
Subsalicylate, USP, bbls., fib. dms..lb. 2.50 - —
5-lb. cans..lb. 2.54 - 2.59
Sulphocarbolate, bots..lb. 3.71 - 3.74
fib. dms..lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns..lb. 3.45 - 3.50
Black, acetylene, bgs., c.l., works. lb. .14 - —
l.c.l., works..lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld. dest..lb. .19 - —
2 bgs., bbls., c.l., same basis. lb. .17 - —
3 bgs., bbls., c.l., same basis. lb. .15½- —
4, bgs., bbl., c.l., same basis. lb. .13½- —
5, bgs., bbls., c.l., same basis. lb. .11 - —
6, bgs., bbls., c.l., same basis. lb. .11 - —
7, bgs., bbls., c.l., same basis. lb. .14 - —
8, bgs., bbls., c.l., same basis. lb. .15 - —
490A, bgs., bbls., c.l., same basis..lb. .06½- —
457, bgs., bbls., c.l., same basis..lb. .11¾- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, & whse., prices are 1½c. higher.
Carbon, channel, compressed, beads, bulk, c.l., works. lb. .05½- —
bgs., c.l., works..lb. .05¾- —
l.c.l., works..lb. .06½- —
dlvd. or whse..lb. .0970- —
uncompressed, regular, bgs., c.l., works..lb. .06½- —
bgs., ctns., l.c.l. dlvd. or whse..lb. .1020- —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse..lb. .07½- —
SRF, bgs., c.l., works..lb. .03½- —
ctns., l.c.l., whse..lb. .06 - —
Thermatonic, bgs., c.l., works, La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, 1, ctns., c.l., works..lb. .08½- —
l.c.l., works..lb. .09 - —
2, ctns., c.l., works..lb. .10 - —
l.c.l., works..lb. .11 - —
2A, ctns., c.l., works..lb. .12 - —
l.c.l., works..lb. .13½- —
3, ctns., c.l., works..lb. .14½- —
l.c.l., works..lb. .15½- —
4, ctns., c.l., works..lb. .16½- —
l.c.l., works..lb. .17½- —
5, ctns., c.l., works..lb. .20 - —
l.c.l., works..lb. .26 - —
6, ctns., c.l., works..lb. .26½- —
l.c.l., works..lb. .27½- —
7, ctns., c.l., works..lb. .37½- —
l.c.l., works..lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls..lb. .04¼- .05
B, bbls..lb. .05¾- —
kegs..lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls..lb. .83 - .84
Tree bark, bls..lb. .35 - .40
Black Indian hemp root, bls..lb. .55 - .60
Blanc fixe, dry, by-product, bgs., c.l., works..ton. 60.00 - —
l.c.l., works..ton. 67.00 - —
direct process, bgs., c.l., works..ton. 70.00 - —
bbls., c.l., works..ton. 75.00 - —
l.c.l., works..ton. 80.00 - —
pulp, 66%, bbls., c.l., works, ton. 40.00 - —
l.c.l., same basis..ton. 40.50 - —
Bleaching powder,[2] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works..100 lbs. 3.75 - 3.80
Blood,[1,7] dried, 16-16½% ammo., bgs..unit-ton. 10.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton. 10.00 - —
soluble, bgs., c.l., Chicago..lb. .13½- —
l.c.l., Chicago..lb. .15 - .20
Bloodroot, bls..lb. .55 - .60
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
Toner, bbls., same basis..lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Chinese, bbls., same basis..lb. .80 - —
Cobalt, genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).

OPD—9-23-1946

IMMEDIATE DELIVERY

From Warehouse Stock

BENZOIC ACID Technical Flake

BORAX Technical Powder

CALCIUM GLUCONATE U.S.P. Injectable

CALCIUM LACTATE U.S.P. and Edible Grade

CETYL ALCOHOL Purified

CREAM OF TARTAR U.S.P. Powder

DIGLYCOL 75% Diethylene 25% Dipropylene

DIETHYLAMINE 99% Plus

DISODIUM PHOSPHATE Technical

ETHYL ACETATE 85/88%

ETHYLENE DIAMINE 68/70%

GLUCON

GLUCOSE 43/45 Baume

HEXYLRESORCINOL U.S.P.

LANOLIN U.S.P. Anhydrous

MAGNESIUM CHLORIDE

MALIC ACID Pure Food Grade

MYRISTYL ALCOHOL Purified Flakes

PARA-DICHLOROBENZENE Nuggets

PARAFFIN WAX 120/120° and 124/126°

PETROLATUM U.S.P. Lily-White

POTASSIUM CHLORATE min. 99½% Powder

POTASSIUM PERMANGANATE U.S.P. Crystal

ROCHELLE SALTS U.S.P. Granular and Powder

SODIUM CITRATE U.S.P. XII

TARTARIC ACID U.S.P. Powder and Granular

TRIETHANOLAMINE Standard Grade

UCON GLYCOL Molecular Weight 1400

WHITE ARSENIC 95% As_2O_3

YELLOW PRUSSIATE SODA Technical Crystal

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.

TELEPHONE LEXINGTON 2-3324

CABLE—"WILNEUBERG"

Blue, copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis..lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.90
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis. lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .45½- —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis.lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .23 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls. .....lb. 3.30 - —
ink toner, bbls., same basis. lb. 1.83 - —
Synthetic vehicle, bbls., same basis..lb. 1.98 - —
Violet, toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, dlvd, prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

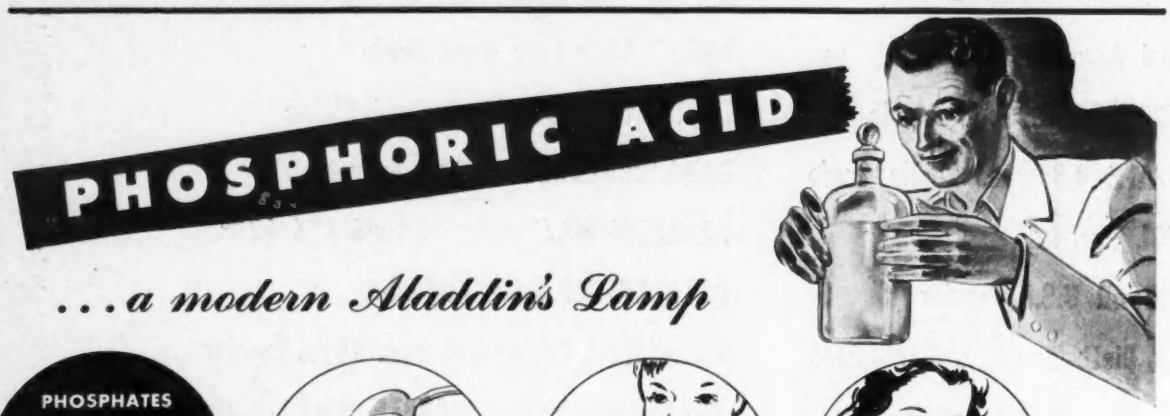
Blues dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Bluefiag, root, bls.....lb. No stocks
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[7] raw, bulk, Chicago..ton.57.00 -65.00
junk, bulk, same basis....ton.44.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.50.00 - —
Chicago, works....ton.55.00 - —
steamed, feeding grade, 1½ ammon., 60% phos., bgs., E. works..ton.65.00 - —
Chicago, works...ton.65.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.45.00 - —
Chicago, works....ton.50.00 - —
Phosphate, defluorinated (see D.).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls. .....lb. .16 - .17
Borage flowers, bls. .....lb. .60 - .62
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
bgs., c.l., frt. alld....ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).

Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .22 - —
single pkgs., same basis.lb. .23 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.85 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., 100-lb. cns., dms., works..lb. .50 - .60
gold, moulding, 100-lb. cans, dms., same basis..lb. .80 - 1.00
printing ink, 100-lb. cns., dms., same basis..lb. .95 - 1.10
radiator, 100-lb. cns., dms., same basis..lb. .60 - .65
Broomtop, bls.....lb. .24 - .25
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works.lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works. lb. .08¾- .09¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. .08 - .10
Umber, burnt, American, bbls., works..lb. .08¼- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0335- —
Pittsburgh .....lb. .05 - —

Brown, umber, Amer., Turkey-type, bbls., c.l., ex car, Los Angeles..lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse., Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works.lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - .38
Sulphate, cns., 100 ozs.....oz. .30 - .32
Bryonia root, bls.....lb. .55 - .60
Buchu leaves, bls. .....lb. .80 - .85
Buckthorn bark, bls. .....lb. .45 - .46
Berries, bgs. .....lb. 1.00 - 1.10
Burdock root, bls.....lb. .55 - .65
Burgundy pitch, dom., dms...lb. .14 - .16
Butane,[1] indust., tanks, Group 3. gal. .06½- —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .2295- —
l.c.l., same basis..lb. .2347- —
tanks, same basis...lb. .2195- —
tankwagon, same basis. lb. .2245- —
other production, dms., c.l., same basis..lb. .1995- —
l.c.l., same basis....lb. .204 - —
tanks, same basis....lb. .198 - —
synthetic, dms., c.l, same basis..lb. .11¼- —
l.c.l., same basis..lb. .12¼- —
tanks, same basis...lb. .10¾- —
secondary,[1] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works .....lb. .16½- —
tanks, works .....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works....lb. .24 - —
l.c.l., works .....lb. .24½- .25½
Phenylacetate, dms. .....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks, dlvd. .....lb. .15½- —
Stearate, dms. .....lb. .31½- .35
Butyric ether, bots. .....lb. 6.50 - 6.90
cns., works .....lb. .65 - .70
dms., works .....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.23 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[6] ingots or sticks, dlvd. lb. 1.30 - 1.50
pat. shapes, cs., dlvd....lb. 1.35 - 1.55
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., 100 lbs. or more, lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more, lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs., futures. lb. .65 - .66
Calamus root, natural, dom., bls. lb. .45 - .50
imported, bleached, bls..lb. .70 - .88
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., dlvd.... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08¼
Bromide, N.F., jars.....lb. .65 - .70
Carbide,[1] dms., c.l., works.ton.50.00 - —
dlvd. .....ton.97.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., dlvd..ton.16.50 -35.00
l.c.l., dlvd.....ton.28.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -34.50
l.c.l., dlvd.....ton.28.00 -44.50
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .20 - .40
Gluconate, USP, gran., bbls.lb. .52 - —
dms. .....lb. .57 - .59
cns. .....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.40 - 1.60
Hypochlorite, dms., dlvd. E. of Rockies..lb. .22 - .26½
cans, in cases, same basis..lb. .3778- .4223
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls.....lb. .33 - .40
Laurate, bbls.....lb. .28 - .30
Mandelate, USP, dense, fluffy, works, dms..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Panthothenate, doz., 100-gram bots, works..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0680
Resinate, precip., 5.8% Ca, 100-lb. dms..lb. .18½- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., ctns., 2,000 lbs. to c.l., works..lb. .29½- —
l.c.l., works.....lb. .30½- —
Sulphate (see Gypsum).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Like Aladdin's famed lamp of fiction, Victor phosphoric acid has helped to bring about many miracles of modern industry. In scores of products important to our every day living *phosphoric acid is fundamental*. For some it has made possible a decidedly improved product . . . for others a material reduction in manufacturing costs. New applications of this most versatile acid are constantly being discovered. Our research laboratory will gladly cooperate with yours to determine if Victor phosphoric acid can help improve a product for you . . . or help solve an important processing problem.
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PLANTS: NASHVILLE, TENN.; MT. PLEASANT, TENN.; CHICAGO HEIGHTS, ILL.; VICTOR, FLA

Calcium sulphide, 70%, bgs., c.l., works..ton.45.00 - —
80%, bgs., c.l., works...ton.50.00 - —
luminous, tins, works....lb. 1.25 - —
Sulphocarbolate, bbls. .....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works.lb. 1.00 - 1.50
fine particle size, works. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 1.25 - 1.30
Calomel, bbls., dms.....lb. 2.44 - 2.45

Camphor, natural .....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works.lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls. .....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots .....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots .....lb. .70 - —
smaller lots .....lb. .71 - —
tablets, 2,000-lb. lots....lb. .82 - —
1,000-lb. lots .....lb. .83 - —
smaller lots .....lb. .84 - —
Camphor, monobromated, dms.lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides, Russian, bgs.....lb. 9.00 - —
Chinese, cs. .....lb. 7.75 - 8.00
powd., bxs. .....lb. 9.00 - 9.25
Capsicum (see Pepper, red).
Capsicum oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed, California, Dutch type..lb. .25½- .26
Caraway seed, Canadian, bgs.lb. No stocks
Danish, bgs. .....lb. .26 - .26½
Dutch, bgs. .....lb. .25¾- .26¼
futures, bgs. .....lb. .26 - .26½
Russian, black, bgs.....lb. .24 - .24½
Spanish, dewhiskered, bgs..lb. No stocks
Swedish, bgs. .....lb. .23½- .24
Syrian, dewhiskered, bgs....lb. No stocks
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb .80 - —
35%, dms., ton lots, works..lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .27 - —
secondary, dms., l.c.l., works. lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works .....lb. .23½- —
tanks, works .....lb. .21½- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works..lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
tanks, same basis.....lb. .10¾- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls. .....lb. .06 - .08
Tetrachloride,[1] c.p., dms., c.l. gal. .98 - —
l.c.l. .....gal. 1.05 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. .96 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.13 - —
l.c.l., frt. alld.....gal. 1.23 - —
Zone 4, 52½-gal. dms., c.l., gal. .79 - —
l.c.l., frt. alld.....gal. .86 - —
5 or 10-gal. dms., c.l..gal. 1.03 - —
l.c.l. .....gal. 1.13 - —
USP, cbys.....lb. .17 .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom, bleached, bold, cs., lb. 1.65 - 1.70
medium, cs. .....lb. 1.40 - 1.45
decorticated, Guatemala, cs..lb. 1.20 - 1.25
India, cs.....lb. 1.20 - 1.25
green, Alleppey, bgs.....lb. 1.00 - 1.10
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, 90%), amps. 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works. lb.37.80 - —
50,000 USP units per gm., bots., works..lb. 8.43 - —
dms., works.....lb. 7.68 - —
3,600 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
3,300 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots. .....lb.14.75 -22.50
Cascara sagrada bark, bulk..lb. .40 - .42
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein,[1] dom., acid-precip., bgs., 10,000 lbs. or more, ship't point..lb. .33 - —
2,000 lbs. or more, but under 10,000 lbs., same basis..lb. .33¼- —
less than 2,000 lbs., same basis..lb. .33¾- —
rennet-precip., bgs., 10,000 lbs. or more, same basis. lb. .34¼- —
2,000 lbs. or more, but under 10,000 lbs., same basis..lb. .34¾- —
less than 2,000 lbs.....lb. .35¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. No prices
rennet-precip., unground, 100 bgs. or more..lb. No prices
Cassia, Batavia No. 1, Thinquill bls..lb. .60 Nom.
No. 1, regular bls.....lb. .51 - .52
shortstick, bls.....lb. .50 Nom.
broken, bls.....lb. .48 Nom.

Cassia, China buds, bgs., futures, lb. .44 - .45
Kwangsei, broken, bls.....lb. .20 - .26½
rolls, selected, cs.....lb. .23 - .24
extra select, broken, bls..lb. .19½- .20
Saigon, all medium, futures..lb. .43 - .44
4-10-4, bls., futures.....lb. .42 - .43
Cassia fistula, bskts.....lb. .26 - .28
Castor bean,[1,7] bgs., c.l.f. first arrival point, U.S..long ton.118.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works... unit-ton. 3.15 - 4.75
Castoreum, nat., cns.....lb. 8.00 -13.00
synthetic, cns. .....lb.10.00 -21.00
Catechol, CP, cryst., works, fib. dms., frt. alld..lb. 1.90 - —
resublimed, works, frt. alld., dms..lb. 3.25 - —
Catnep, bls. .....lb. .60 - .65
Celery seed, French, bgs.....lb. 1.00 Nom.
Indian, bgs. .....lb. .25 - .26
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
granules, ctns., same basis.lb. .35 - —
Cellulose acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld..lb. .46 - —
100-900 lbs., frt. alld. lb. .47 - —
smaller pkgs., works.lb. .48 - —
medium (15.5 or 17.0%), 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld..lb. .44 - —

Cellulose acetate-butyrate, medium (15.5 or 17%), 50-lb. ctns., 100-900 lbs., frt. alld..lb. .45 - —
smaller pkgs., works..lb. .46 - —
Granules are 5c. per lb. higher. all quantities.
Acetate-propionate, flake, high (31.5% propionyl content), 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works..lb. .48 - —
Granules are 5c. per lb. higher all quantities.
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
Cerium hydrate, dms., works..lb. 1.00 - —
Oxalate, NF, bbls., kgs., works, lb. .50 - .52
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
bgs., smaller lots, works.lb. 2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.82.50 - —
rubbermakers, bgs., c.l., works. ton. 3.00 - —
Chamomile, Hungarian type, cs., lb. .90 - .95
Roman, bls., futures.....lb. 1.45 - 1.50
Charcoal, hardwood, lump, bulk, c.l., works..ton.38.00 -39.50
bur. bgs., included, c.l., works..ton.41.50 -46.80

Charcoal, hardwood, briquets, bulk, c.l., works..ton.44.50 -49.00
bgs., c.l., works.....ton.49.80 -50.50
granular, all grades, bgs., works..ton.46.80 -49.80
screenings, bgs., works...ton.31.20 -33.15
Pinewood,[7] lump, bgs., c.l., Southern shipping point.ton.20.00 -24.00
granular, powd., bgs., c.l., works, South..ton.32.20 -34.20
l.c.l., works.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[8] standard 25% tannin, bbls., c.l., works. 100 lbs. 3.82 - 4.60
l.c.l., works.....100 lbs. 4.07 - 4.85
tanks, works.....100 lbs. 3.22 - 4.00
powdered, 65% tannin, bags extra, c.l., works.100 lbs. 9.02 - 9.96
l.c.l., works....100 lbs. 9.77 -10.71
Chillies (see Pepper, Red).
China clay, dom., dry-grd., air-float, 90.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -21.00
powd., cks., l.c.l., ex whse. ton.41.00 - —
Chloral hydrate, jars.....lb. .93 - .98
dms. .....lb. .90 - .95

Spot Deliveries

GUM ARABIC Clear Amber Sorts Sphinx Brand
PHOSPHORIC ACID 75% Edible Food Grade
CALCIUM CARBIDE 14 N. D.
BORIC ACID
ZINC CHLORIDE Granular
MAGNESIUM METAL POWDER High Purity
BLEACHING POWDER 35% - 37%
POTASSIUM PERMANGANATE
HEAVY CALCINED MAGNESIA White
COPPER SULPHATE
SODIUM PERBORATE U. S. P.
SODIUM HYDROSULPHITE

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Chlorinated rubber[6] standard, ctns., 100 lbs. up, works..lb. .32 - —
smaller lots, works.....lb. .35 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l....lb. .05½- —
contracts .....lb. .05¾- —
l.c.l. .....lb. .07¾- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks., frt. equald.100 lbs. 2.50 - —
1, wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .26
USP, dms. .....lb. .30 - .38
Chloropicrin, com'l, 100 lb. cyl., 100-lb. cyls., same basis..lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms., works. lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms., works..lb. 3.00 - 3.10
Chrome acetate, powd., 22% Cr., bbls., works..lb. .32 - .34
ton lots, works..lb. .30 - .33
solut., 9% bbls., cs.....lb. .07½- —
7½% bbls., cs.....lb. .06½- —
Fluoride, bbls., works.....lb. .24 - .27
Cake, bulk, c.l. works.....ton.16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots. .....lb. 6.02 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., can..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No prices
Cinchonine[6] small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchopen, NF, heavy, dms., works..lb. 3.70 - 3.80
standard, dms., works.....lb. 3.50 - 3.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms...lb. .75 - 1.15
Cinnamon, Ceylon, O., bis., fu- tures..lb. .5700- —
OO, bis., futures .....lb. .5820- —
OOO, bis., futures.....lb. .5900- —
OOOO, bis., futures.....lb. .5990- —
No. 1, bis., futures.....lb. .5625- —
2, bis., futures.....lb. .5635- —
3, bis., futures.....lb. .5535- —
4, bis., futures.....lb. .5335- —
Citral, bots., cns. .....lb. 7.25 - 9.00
Citrine, ointment, jars.....lb. .95 - 1.15
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. No prices
Clove, Madagascar, bls.....lb. .13¼- .13½
futures, bls. .....lb. .13½- .14
Zanzibar, bls. .....lb. .15¼- .15⅝
futures, bls. .....lb. .14⅝- .15¼
Clover tops, red, dom., bgs....lb. .65 - .70
imported, bgs. .....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.25 - —
l.c.l., works .....bbl. 8.75 - —
tanks, works .....gal. .07½- .08½
refd., 50-gal., bbls., c.l., works, bbl. 8.75 - —
l.c.l., works .....bbl. 9.25 - —
tanks, works .....gal. .08½- .09½
water-gas, crude, 55-gal. dms., c.l., works..bbl. 8.25 - —
l.c.l., works .....bbl. 8.75 - —
refd., 55-gal. dms., c.l., works, dm. 8.75 - —
l.c.l., works .....dm. 9.25 - —
Cobalt acetate, bbls., kgs., dlvd.. lb. .83¾- —
feed grade, 23¼% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works.. lb. 1.58 - —
feed grade, 49½% Co, kgs..lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate, bbls. .....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 5%, dms...lb. .32 - .35
solid, 8½%, dms. .....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls. .....lb. .44 Nom.
Oxide,[1] black, kgs. .....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .38½- —
Soyate, 3%-3.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms. .....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs. .....lb. .46 - .47
silver, Teneriffe, bgs. .....lb. .47 - .48
Cocoa butter,[1,7] bulk, ship. pt.lb. .25 - —
Cocillana bark, bgs. .....lb. .60 - .61
Codeine, cns., 100 ozs. .....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .24 - .25
blue, bls. .....lb. .24 - .25
Colchinine, lots., cns. .....oz. No stocks
Colchicum seed. .....lb. No stocks
Collodion, USP, dms. .....lb. .19½- .20½
cns. .....lb. .28 - .29½
Flexible, USP, dms. .....lb. .21 - .22
cns. .....lb. .25 - .31
Colocynth pulp, bls. .....lb. .52 - .53
Colombo root, bls. .....lb. .14 - .15
Coltsfoot leaves, bgs. .....lb. .70 - .72
Condurango bark, bgs. .....lb. .18 - .19
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns. .....lb. .95 - 1.00
Copper acetate, cupric, bbls., works..lb. .25½- —
smaller containers, wks..lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .22½- .23
crystals, bbls. .....lb. .14⅞- .17
Cyanide, tech., bbls. .....lb. .34 - .38
Hydrate, dms. .....lb. .18 - —
Iodide, bots. .....lb. .34 - .38
Metal,[1] electrolytic. .....lb. .14¾- —
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate, tech., cryst., bbls..lb. .19½- .20¼
Oleate, precip., bbls. .....lb. .22½- .23½
Oxide, black, bbls., works....lb. .19 - .20
red, com'l, bbls., works....lb. .21 - .24½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .18¼- —
Stearate, bgs., works.....lb. .35½- —
Sulphate,[1] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
l.c.l., 700 to 30,000 lbs., 100 lbs. 5.15 - 5.50
monohydrated, dms., c.l., dlvd. 100 lbs.10.10 - —
l.c.l., dlvd. .....100 lbs.10.85 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton.20.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra,[1,7] c.l.f. Pacific ports..ton.110.25 - —
c.l.f. Atlantic or Gulf ports.. ton.115.505 - —
Coriander seed, Argentine, bgs. lb. .06¼- .06⅝
Indian bgs. .....lb. No stocks
Italian, bgs., futures.....lb. .05¾- .06⅛
Morocco, bgs. .....lb. .06 - .06½
Corn silk, bls. .....lb. .45 - .46
Corn sugar, tanners, chipped, bgs., c.l., 60,000 lbs. min. 100 lbs. 6.165 - —
bbls., c.l., same basis.... 100 lbs. 6.209 - —
Syrup, 42°, bbls., c.l....100 lbs. 6.777 - —
l.c.l. .....100 lbs. 6.877 - —
Corrosive sublimate,[2] cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls. .....lb. .40 - .45
Cottonseed hull ash, 32-36% pot- ash, bgs., dlvd..unit-ton. 1.20 - —
Meal,[1,7] 41% protein, bulk, mills, c.l..ton.59.00 -64.75
Coumarin,[1] cns., 5 lbs. or more.. lb. 2.75 - —
smaller lots. .....lb. 2.90 - 3.10
Cramp bark, NF, bls. .....lb. .80 - .90
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .51¾- —
smaller lots, bbls., kgs., lb. .52 - .52⅛
Creosote carbonate, bots., cbys., lb. 2.10 - 2.30
Coaltar (see Cresol).
Oil,[2] coaltar, crude, tanks, works..gal. .15½- .16½
refined, dms., c.l., works, gal. .247 - .265
l.c.l., same basis....gal. .29 - .31
tanks, same basis....gal. .18 - .19½
solution, tanks, works....gal. .141 - .149
Creosote, wood, beech, bots., cbys. lb. .85 - 1.04
Hardwood, N.F., bots. cbys. lb. .60 - .77
Pine, dms. .....gal. .31 - .32
Cresol,[2] special resin grades, dms., c.l., works, frt equald. lb. 10¼- .11¾
l.c.l., same basis.....lb. .10½- .12½
tanks, same basis.....lb. .09¼- .11½
USP, dms., c.l., same basis..lb. .11¼- .12¼
l.c.l., same basis.....lb. .11½- .12¾
tanks, same basis.....lb. .10 - .11½
Croton aldehyde, 91-93%, 55 and 110 gal. dms., l.c.l., works lb. .13½- —
5 and 10-gal. dms l.c.l., works..lb. .17 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works ..100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss R..lb. .08½- —
l.c.l., works. .....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .45 - —
4% rotenone, bbls., works..lb. .36 - —
Cubeb berries, XX, bgs .....lb. No stocks
powd., cs. .....lb. No stocks
Culvers root, bls. .....lb. .40 - .45
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .35 - .36
Morocco, bgs. .....lb. No stocks
Persian, bgs., futures.....lb. .35 - .35½
Syrian, bgs., futures.....lb. .37 Nom.
Cutch, bgs. .....lb. No stocks
Cyanamide[6] fertilizer mixing grades, guarantee 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.62½- —
21% N., pulv., ogs. same basis..unit-ton. 1.52½- —
Cyclohexane, tech., dms. c.l., works..lb. .10½- —
l.c.l., works. .....lb. .11 - —
tanks, works. .....lb. .09½- —
Cyclohexanol, 99%-100%, dms., works..lb. .21 - .23
Cyclohexanone, 97½% min dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works....lb. .30 - —
l.c.l., works. .....lb. .30½- —
tanks, works. .....lb. .29 - —
Cyclopropane, USP, cyls. dlvd., gal. .27 - —

D

Damiana leaves, bls .....lb .35 - .40
Dandelion root, bls. .....lb. .75 - .80
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works. .....lb. .50 - —
tins, smaller lots, works...lb. .53 - .60
Decanol, normal, tech dms., dlvd..lb. .35 - —
Deertongue, bls. .....lb. .34 - .35
Defluorinated phosphate,[1] paper bgs., works..ton.35.73 - —
Degras,[1] common, bbls. .....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .24 - .26
over 2% ffa, bbls.. .....lb. .22 - .24
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l. 100 lbs. 7.801 - —
l.c.l. .....100 lbs. 7.941 - —
Chicago, bgs., c.l....100 lbs. 7.43 - —
Corn, canary, bgs., c.l..100 lbs. 7.641 - —
l.c.l. .....100 lbs. 7.641 - —
Chicago, bgs., c.l..100 lbs. 7.14 - —
dark, bgs., c.l.....100 lbs. 7.041 - —
l.c.l. .....100 lbs. 7.141 - —
Chicago, bgs., c.l...100 lbs. 7.24 - —
white, bgs., c.l.....100 lbs. 7.391 - —
l.c.l. .....100 lbs. 7.491 - —
Chicago, bgs., c.l..100 lbs. 6.90 - —
Potato, dom., bgs., c.l.....lb. 7.35 - —
l.c.l. .....lb. 8.10 - 8.20
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots...lb. 5.20 - 5.55
laboratory grade, bots. ..... 100 grams. 4.50 - —
tech., bots., works..... .....lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd. .....lb. .2220- .2250
tanks, dlvd. .....lb. .2070- .2100
Sulphide, l.c.l., dms., works.lb. .25 - —
Diatomaceous earth, dom. CP, bgs., c.l., Atlantic coast.lb. .07 - —
l.c.l., ex whse. .....lb. .10 - .16
nat., bgs., c.l., Pacific coast. ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic coast..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .03 - —
l.c.l. .....lb. .06 - —
Dibutyl, phthalate,[1] 5-gal. cns., works..lb. .2960- —
1-gal. cns., works.....lb. .3160- —
dms., c.l., works... .....lb. .2000- .2510
l.c.l., works. .....lb. .2050- .2500
tanks, works. .....lb. .1900- .2410
Sebacate,[1] dms., c.l., works.lb. .5370- —
l.c.l., works..... .....lb. .5620- —
tanks, works..... .....lb. .5470- —
Tartrate, dms., works frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l. works., lb. .66 - —
l.c.l., works..... .....lb. .69 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis .....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, com'l dms.lb. .25 - —
refd., 90%, dms. .....lb. .80 - —
Oxalate, dms., c.l., dlvd....lb. .30½- —
l.c.l., dlvd. .....lb. .31 - —
Phthalate,[6] dms., c.l., dlvd..lb. .21½- —
tanks, dlvd. .....lb. .20½- —
Sulphate, dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works.lb. .44 - —
l.c.l., works.....lb. .46 - —
tanks, works.....lb. .40 - —
Diethylaminoethanol, dms l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms.... .....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14 - —
l.c.l., same basis. .....lb. .15 - —
tanks, same basis.... .....lb. .13 - —
Monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works. .....lb. .23 - —
tanks, works. .....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works.. .....lb. .16½- —
tanks, works. .....lb. .14½- —
Digitalis leaves, dms. .....lb. 1.05 - 1.15
Diglycol laurate, dms. .....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l. .....lb. .23 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y met..lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.10
Di-isobutyl ketone, dms works. lb. .19 - —
Dillseed, natural, afloat bgs..lb. .10¼- .10⅝
decorticated bgs.... .....lb. .14 - .14½
dewhiskered, bgs.... .....lb. .10½- .11
Dimethyl phathalate, dms., c.l., dlvd..lb. .20 - —
l.c.l., dlvd. .....lb. .20½- —
tanks, dlvd. .....lb. .19 - —
Dimethylene, anhyd., cyl., frt. alld. E. of Miss., 100% basis. lb. .37½- —
solution, dms., works, frt. alld. E. of Miss., 100% basis..lb. .37 - .47½
tanks, same basis. .....lb. .36 - —
Dimethylanilin, dms., c.l.....lb. .21 - —
l.c.l. .....lb. .22 - —
Dinitrobenzene, bbls. .....lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls. .....lb. .22 - —
Dinitrotoluene, dms.... .....lb. .18 - —
oily, dms. .....lb. .05 - —
Diorthotolylguanidin, dms., ton lots, dlvd..lb. .44 - —
smaller lots, dlvd. .....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis. .....lb. .21 - —
tanks, same basis. .....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, destructive dist., dms., dlvd. E..gal. .70 - .71
tanks, dlvd. E. .....gal. .60 - .61
steam-dist., dms., dlvd. E..gal. .71 - .75
tanks, dlvd. E. .....gal. .62 - .68
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works. .....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .55
dms. .....lb. .43 - .45
Diphenylamine, bbls .....lb. .25 - —
Diphenylguanidin, dms., tons..lb. .35 - —
smaller lots. .....lb. .36 - .37
Divi-divi,[1,6] 42% tannin, c.l., U.S. ports, ex dock..ton.70.00 -71.00
38% tannin, c.l., same basis.. ton.68.00 -69.00
Doggrass root, dom., cut bls.lb. .30 - .35
imp., NF, cut, bls. .....lb. .48 - .50
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs..... .55 - .60
reeds, cs. .....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns....lb.13.00 - —
Green, FD&C, No. 1 cns....lb.13.00 - —
No. 2, cns. .....lb.17.00 - —
No. 3, cns. .....lb.27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.80 - —
No. 2, cns. .....lb. 3.55 - —
Red, FD&C, No. 1, cns....lb. 5.75 - —
No. 2, cns. .....lb. 3.05 - —
No. 3, cns. .....lb.17.00 - —
No. 4, cns. .....lb. 5.50 - —
No. 32, cns. .....lb. 4.05 - —
Yellow, FD&C, No. 1 cns..lb. 8.00 - —
No. 3, cns. .....lb. 2.55 - —
No. 4, cns. .....lb. 2.55 - —
No. 5, cns. .....lb. 3.05 - —
No. 6, cns. .....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns....lb. 8.35 - —
Blue, D&C, No. 4, cns.....lb.12.35 - —
Brown, D&C, No. 1, cns....lb.12.35 - —
Green, D&C, No. 5, cns....lb.12.35 - —
No. 6, cns. .....lb.12.35 - —
Orange, D&C, No. 3, cns....lb. 8.35 - —
No. 4, cns. .....lb.15.35 - —
No. 10, cns. .....lb.15.85 - —
Red, D&C, No. 8, cns.....lb. 2.85 - —
No. 17, cns. .....lb. 8.35 - —
No. 18, cns. .....lb.15.35 - —
Yellow, D&C, No. 7, cns....lb. 8.35 - —
No. 8, cns. .....lb. 8.35 - —
No. 11, cns. .....lb.10.35 - —
No. 19, cns. .....lb.15.35 - —
No. 22, cns. .....lb. 8.35 - —
No. 33, cns. .....lb.13.35 - —
No. 37, cns. .....lb.12.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb. 12.35 - —
Red, Ext. D&C, No. 1, cns..lb.10.35 - —
No. 3, cns .....lb.21.85 - —
No. 8, cns .....lb. 7.85 - —
No. 10 cns. .....lb.12.35 - —
No. 13, cns. .....lb.12.35 - —
Yellow, Ext. D&C, No. 1, cns., lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
86 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet .....lb. .80 - 1.00
165 Lake red C. .....lb. .70 - .80
170 Fast red A. .....lb. .56 - .60
180 Fast red VR. .....lb. 1.50 - 1.60
180 Lake red R, paste..lb. .85 - .90
180 Lake red R, powd...lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A. .....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B. .....lb. 1.75 - 2.00
262 Cloth red 2B. .....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .85 - .88
304 Paper yellow .....lb. .88 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G .....lb. .60 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .60 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .75
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .66
405 Benzo purpurin 10B...lb. .40 - .50
502 Direct azorin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .59 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
590 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
945 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20%, paste....lb. .15 - .18
Benzo fast black L..lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives..lb. .36 - .44
Blue—
7075 Alizarin astral base..lb.15.00 - —
1073 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —
Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I. .....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .85 - —
680 Oil violet.....lb. .60 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1060 Anthraquinone, violet base..lb.[2]6.00 - —
Yellow—
16 Amidoazobenzene yellow. lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
720 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1130 Indigotin IA.....lb. .85 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G...lb. .47 - .63
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
682 Bismarck brown R...lb. .47 - .63
795 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S..lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green..lb. 2.00 - —
Orange—
10 Chrysodin G.....lb. .44 - —
21 Chrysodin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B..lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —
Red—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.65 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX....lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B .....lb. .70 - .75
681 Crystal violet B .....lb. 1.75 - —
695 Acid violet 4BN .....lb. .68 - —
Yellow—
10 Naphthol yellow S.....lb. .83 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow....lb. 1.15 - —
640 Tartrasin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
864 Nigrosin .....lb. .36 - .44
Blue—
860 Indulin .....lb. .60 - .70
Brown—
331 Bismarck brown. .....lb. 1.50 - —
Green—
637 Malachite green base..lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .90 - —
Red—
677 Fuchsin, magenta base.. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow— lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS.....lb. 2.00 - —
Violet—
680 Methyl violet base.....lb. .65 - —
Dyes, natural (see name of article).

how to control objectionable odors

MONSANTO SANTOMASK
Reg. U. S. Pat. Off.

To control the disagreeable odors of interior paints, printing inks and some other odoriferous formulas, merely add Monsanto Santomask* and proceed as usual. Santomask eliminates or minimizes "after-odors"; adds no objectionable "perfume"; does not affect the normal properties of the Santomasked product, such as color, drying time, durability, etc.

Santomask is completely miscible with paint, varnish and enamel vehicles. It is economical, effective and easy to apply — merely stir Santomask into the finished coating, either before you package your product, or before it is used.

If you have a problem involving the control of product odor, send for samples of Santomask together with technical information. Contact the nearest Monsanto District Office, or write MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Mo. . . . District Offices: New York, Chicago, Boston, Detroit, Cincinnati, Charlotte, Birmingham, Los Angeles, San Francisco, Seattle, Montreal, Toronto.

MONSANTO CHEMICALS
SERVING INDUSTRY . . . WHICH SERVES MANKIND

E

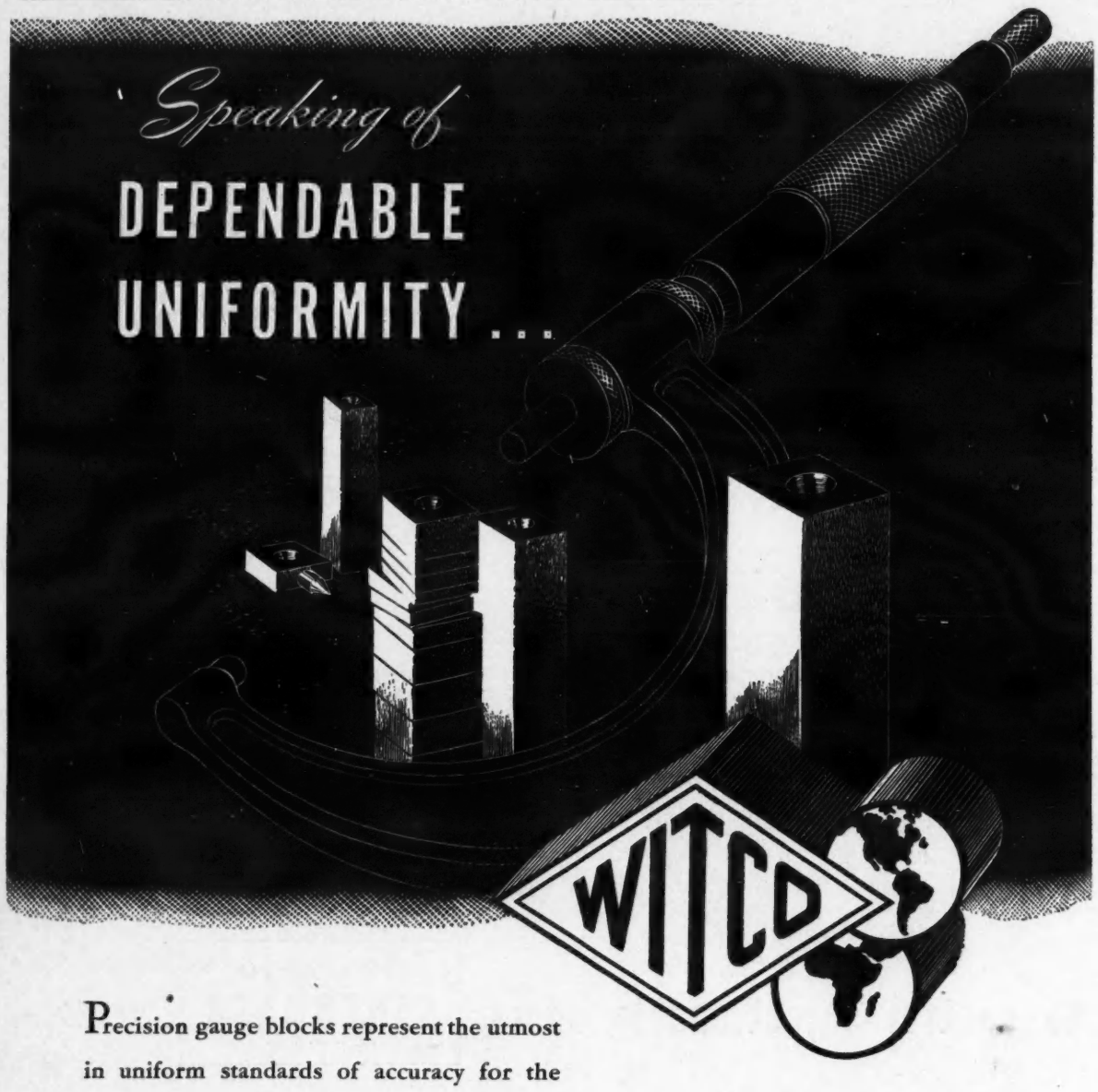
Echinacea root, bls.....lb. .70 - .75
Egg,[1,7] albumen (see Albumen).
Yolk,[1,7] dried, dom., bbls....lb. 1.05 - 1.09
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .45 - .50
Elm bark, grinding, bls.....lb. .35 - .36
powd., bbls., bxs.....lb. .55 - .56
select, bndls.....lb. .55 - .56
Emetine hydrochloride, bots...oz.53.50 -54.00
Ephedra, bls.....lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride, tins.....oz. .95 - 1.45
Sulphate, tins.....oz. .95 - 1.45
100 ozs..oz. .65 - —
synthetic, USP, anhydrous, bots. hydrous, bots., 100 oz...oz. .65 - —
Hydrochloride, tin. 100 ozs.oz. .50 - —
Sulphate, cryst., tins, 100 ozs. oz. .48 - —
Epinephrine, synth., USP, bots.. gram. .70 - .95
Epsom salt, tech., cryst., bgs., f.o.b. 100 lbs. 1.80 - 1.95
l.c.l. .....100 lbs. 2.15 - 2.40
dried, bgs.....lb. .03½- —
l.c.l., bgs.....lb. .04 - .07
USP, cryst., bgs., l.c.l.100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l. .....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l. .....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
kgs., smaller lots..100 lbs. 2.85 - —
Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati Cleveland, Houston, New Orleans, New York.
Ergot, USP, cns.....lb. 1.60 - 1.65
Eserine, bots.....oz. No prices
Sulphate, bots.....oz.65.00 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, cons., bots., 100 lbs..lb. .98 - 1.16
Sulphuric, cons., dms.....lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synthetic, dms., c.l., frt. alld. lb. .11 - —
l.c.l., same basis.....lb. .12 - —
tanks, same basis.....lb. .09 - —
Ethyl acetate, natural, fermentation, 85-88% dms., c.l., frt. alld..lb. .1275- —
l.c.l., frt. alld.....lb. .1325- —
tanks, frt. alld.....lb. .1175- —
95-98%, dms., c.l., frt. alld. lb. .13 - .1335
l.c.l., frt. alld.....lb. .1350- .1380
tanks, frt. alld.....lb. .12 - .1235
99%, dms., c.l., frt. alld.lb. .13 - .1345
l.c.l., frt. alld.....lb. .1350- .1395
tanks, frt. alld.....lb. .12 - .1245
synthetic, 85-90%, dms., c.l., frt. alld..lb. .09½- —
l.c.l., frt. alld.....lb. .10 - —
tanks, frt. alld.....lb. .06½- —
95-98%, dms., c.l., frt. alld. lb. .09¾- —
l.c.l., frt. alld.....lb. .10¾- —
tanks, frt. alld.....lb. .06¾- —
N.F., dms.....lb. .14½- .15½
Acetoacetate, dms., c.l., works. lb. .37½- —
l.c.l., frt. alld.....lb. .36 - —
Benzoate, bots.....lb. .50 - .52
B-ethoxy propionate, dms., works..lb. .70 - —
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., dlvd. E...lb. .53 - —
Chloride, tech., dms.....lb. .18 - .20
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns. .....lb. 2.65 - 3.60
Ethyl formate, dms., Agnue, Calif., lb. .26 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .33½- .39½
Myristate, dms., works.....lb. .55 - —
Oenanthate, dms.....lb. 1.10 - 1.15
Oleate, dms., l.c.l., works..lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., works..lb. .50 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works..lb. .50 - —
smaller lots, works.....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies..lb. .0842- —
West of Rockies..lb. .0891- —
l.c.l., works, frt. alld. E. of Rockies..lb. .0891- —
West of Rockies..lb. .0941- —
tanks, frt. alld. E. of Rockies, lb. .0743- —
West of Rockies..lb. .0792- —
Trichloride (see Trichloroethane).
Ethyleneglycol, dms., c.l., frt. alld. in E... .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13½- —
l.c.l., works.....lb. .14½- —
tanks, works.....lb. .12½- —
Ethylene glycol monobutylether, dms., c.l., works..lb. .16¼- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, dms., c.l., wks. lb. .57 - —
l.c.l., works .....lb. .60 - —
Ethylmonoethanolamine, l.c.l. dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz.10.50 -10.75
Ethylvanillin,[1] cns., 5 lbs. or more..lb. 5.25 - —
smaller lots .....lb. 5.30 - 5.40
Eucalyptol, cns., dms.....lb. 2.85 - 3.25
Eucalyptus leaves, bls.....lb. .14 - .15
Eugenol, pure, USP XII.....lb. 2.60 - 3.25
Euphorbia, bls .....lb. .20 - .22

F

Feldspar, enamel, 100 mesh..ton.17.00 -20.50
bulk, c.l. .....ton.14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons..ton.12.75 -16.25
bulk, c.l. .....ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons..ton.20.00 22.00
bulk, c.l., works.....ton.17.00 19.00
Fennel seed, Argentine, bgs., futures..lb. .17 - .17½
Indian, bgs., afloat.....lb. .26½- .27
Fenugreek, domestic, futures, bgs., source..lb. .08 - .08½
Indian, bgs., futures.....lb. .09 - .09½
Morocco, bgs. .....lb. .08¾- .09½
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works.lb. .13½- .15
water-white, cs., works.....lb. .14½- .16
Fir balsam, Canada, cns.....gal.20.00 -20.25
Oregon, bbls. .....gal. 2.65 - 2.70
Fishberries, bgs. .....lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal,[1,7] grd., 60% protein, bgs., E. works..ton.90.00 - —
65% protein, bgs., E. works. ton.96.00 - —
Fishscrap,[7] dried, 60% protein, bulk, East coast..ton.80.10 - —
Flake white, bbls.....lb. .09 - —
kegs .. ..lb. .11 - —
Fleaseed, black, bgs.....lb. .55 - .60
Blonde, bgs .....lb. .25 - .27
Fluorspar,[1] No 1, ground, 96-98% CaF_2, bulk, c.l., mines, net ton.37.00 - —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines, ton.33.00 - —
65%, c.l., bulk, mines....ton.32.00 - —
60%, c.l., bulk, mines....ton.31.00 - —
less than 60%, c.l., bulk, mines..ton.30.00 - —
Formaldehyde,[1] bbls., c.l., works, lb. .0520- —
l.c.l., works .....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works .....lb. .0510- —
tanks, works .....lb. .0520- —
tanktrucks, dlvd., N.Y.C.....lb. .0345- —
Fringetree bark, bls.....lb. .75 - .76
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex mines .....ton.12.50 - —
spent, bulk, Bayonne...ton. 3.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural, ref., dms., c.l., works. lb. .15½- —
cns. dms., l.c.l., works....lb. .18½- .25½
tech. dms., c.l., works.....lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works .....lb. .09½- —
Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .35 - —
No. 1A, bbls., l.c.l.....lb. .34 - —
No. 2, bbls., l.c.l.....lb. .33 - —
No. 3, bbls., l.c.l.....lb. .31 - —
liquid, No. 0, bbls., l.c.l....lb. .19 - —
No. 1, bbls., l.c.l. .....lb. .17½- —
No. 2, bbls., l.c.l. .....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .14 - —
solid, No. 1, bxs., l.c.l.....lb. .20¾- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls., futures...lb. .30 - .31
Gambier, cube, Singapore, cs..lb. No stocks
Extract, bbls. .....lb. No stocks
Gammapicoline 95%, dms., c.l., works..lb. 1.35 - —
Gasoline,[1] at refinery, ex tax, Arkansas 73-75 octane, tanks. gal. .06¾- —
Bayonne, 74 octane, tanks, gal. .0780- .09
Gulf Coast, 73-75 octane, tanks..gal. .06½- .07¼
Group 3, 73-75 octane, tanks. gal. .06¾- .07
Pennsylvania, western, U. S. motor 74 octane, leaded, tanks..gal. .07½- .08¼
natural, 26/70 octane, Group 3, tanks..gal. .04 - —
Gelatin, silver label, cns., dlvd. lb. .90 - .97
export, cs. .....lb. 1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Gelsenium root bls.....lb. .35 - .40
Gentian root, bls.....lb. .29 - .30
grd., bbls., bxs.....lb. .35 - .36
powd., bbls., bxs.....lb. .34 - .35
Geraniol, 92-96%, cns., dms....lb. No prices
Geranyl acetate, cns.....lb. No prices
Ginger, African, No. 1, bls...lb. .15½- .16
Calicut, Romeo-type, bgs....lb. .16 - .16½
Cochin, bleached, bgs.....lb. .16½- .17
unbleached, bgs.....lb. .15½- .16
Jamaica, No. 1, bgs.....lb. .23 - .23½
No. 2, bags.....lb. .15½- .16
No. 3, bgs.....lb. .15 - .15½
Rhattoon, bgs.....lb. .14½- .15
Glaubers salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., works, 100 lbs. 1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb. .10 - .23
30/56, bgs., c.l., same basis..lb. .15½- .22½
58/82, bgs., c.l., same basis. lb. .17 - .24
82/108, bgs., c.l., same basis. lb. .18½- .25¼
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide,[1] 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .14 - .21½
122-149, bgs., c.l., dlvd....lb. .15 - .22½
150-177, bgs., c.l., dlvd....lb. .16 - .23½
178-206, bgs., c.l., dlvd....lb. .17 - .24½
207-236, bgs., c.l., dlvd.....lb. .18 - .25½
237-266, bgs., c.l., dlvd.....lb. .19 - .26½
267-298, bgs., c.l., dlvd.....lb. .20 - .27½
299-330, bgs., c.l., dlvd.....lb. .21 - .28½
331-362, bgs., c.l., dlvd.....lb. .22 - .29½
363-394, bgs., c.l., dlvd.....lb. .23 - .30½
395-427, bgs., c.l., dlvd.....lb. .24 - .31½
428-460, bgs., c.l., dlvd.....lb. .25 - .32½
461-494, bgs., c.l., dlvd.....lb. .26 - .33½
495-529, bgs., c.l., dlvd.....lb. .27 - .34½
Hide glue l.c.l., prices 1c. higher than c.l. bbls., ½c. over bgs.



Speaking of

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Glycerin, crude, saponification, 88%, to refiners, tanks..lb. .12¾- —
soaplye, 80%, tanks.....lb. .11½- —
dynamite, dms., c.l.....lb. .17½- .18½
l.c.l. .....lb. .18 - .18¾
tanks .....lb. .17¾- .18
high gravity, dms., c.l.....lb. .17½- .18½
l.c.l. .....lb. .18 - .18¾
tanks .....lb. .17¾- .18
refined, B.P., 98%, dms., c.l..lb. .18¾- —
tanks .....lb. .18½- —
USP, 95%, dms., c.l.....lb. .18¾- —
tanks .....lb. .18 - —
yellow, distilled, dms., c.l...lb. .17⅞- —
tanks .....lb. .17¾- —
Glycine, USP (see Acid, aminoacetic).
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold chloride, acid-brown, bots. oz.20.75 -21.00
acid-yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots.. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal root, bls.....lb. 8.75 - 9.00
powd., bxs.....lb. 9.25 - 9.50
Gold of pleasure seed, bgs....lb. No stocks
Grains of paradise, bgs.....lb. .45 - .46
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis. lb. .05 - —
75-80%, same basis.....lb. .05½- —
80-85%, bgs., same basis. lb. .06 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
imported, amorphous, powd., dlvd..lb. .04 - .06
crystalline, 88-90%, powd., same basis..lb. .14 - .16
90-92%, powd., same basis.. lb. .16 - .19
97% powd., same basis...lb. .22 - .26
flake, No. 1, 90-95%, 200-lb. crtns., same basis..lb. .21 - .22
No. 2, same basis.....lb. .22 - .24
Grease, house,[1,7] loose.....lb. .08¼ Nom.
White, choice, loose.....lb. .08½ Nom.
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, molybdic, kegs., works..lb. 3.25 - —
tungstic, kgs., works.....lb. 3.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .26 - —
6-10%, bbls., same basis. lb. .27 - —
11-15%, bbls., same basis. lb. .28 - —
16-20%, bbls., same basis. lb. .28½- —
21-25%, bbls., same basis. lb. .29¼- —
26-30%, bbls., same basis. lb. .29¾- —
31-35%, bbls., same basis. lb. .30¾- —
36-40%, bbls., same basis. lb. .32½- —
41-45%, bbls., same basis. lb. .34 - —
46-50%, bbls., same basis. lb. .35¾- —
50% and over, bbls., same basis..lb. .36¾- —
reduced color, 5%, bbls., same basis..lb. .07 - —
6-10%, bbls., same basis.lb. .07¾- —
11-13%, bbls., same basis.lb. .08¼- —
14-16%, bbls., same basis.lb. .09 - —
17-19%, bbls., same basis.lb. .09¼- —
20-21%, bbls., same basis.lb. .09½- —
22-23%, bbls., same basis.lb. .09¾- —
24-25%, bbls., same basis.lb. .10 - —
26-27%, bbls., same basis.lb. .10½- —
28-29%, bbls., same basis.lb. .11 - —
30-31%, bbls., same basis.lb. .12 - —
32-33%, bbls., same basis.lb. .13¼- —
34-35%, bbls., same basis.lb. .14¼- —
36-40%, bbls., same basis.lb. .17 - —
41-45%, bbls., same basis.lb. .19¼- —
46-50%, bbls., same basis.lb. .19¾- —
51-55%, bbls., same basis.lb. .20½- —
56-60%, bbls., same basis.lb. .21 - —
61-65%, bbls., same basis.lb. .22 - —
66-70%, bbls., same basis.lb. .23¼- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Chrome oxide, pure, dms., works..lb. .24 - —
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works.....lb. 3.50 - —
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide), bbls., works...lb. .55 - —
toner, bbls works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .21 - .22
Guaiac, resin, cs.....lb. .32 - .34
Wood, bls.....lb. .35 - .36
Guaiacol, cryst., N.F., tins...lb. 1.60 - 1.65
Liquid, N.F., bots., cbys....lb. 1.60 - 1.84
Carbonate, dms.....lb. 2.40 - 2.45
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs....lb. .14¼- .14¾
white, sorts, 1, bgs.....lb. .28 - .29
Asphaltum (see A).
Asafetida (see A).
Benzoin, Sumatra, cs.....lb. 1.00 - 1.70
Camphor (see C).
Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under the new import regulations).
East India (former dollar-and-cents ceilings on all other copals revoked May 21. New ceiling prices are to be figured on same basis as Congo).
Manila, No. 1, hard, bold, amber, light, bskts., c.l., whse..lb. .25 - —
Dammar (former dollar-and-cent ceiling on Batavia and Singapore revoked May 21. New ceiling prices are to be figured on same basis as copals).
Elemi (former dollar-and-cent ceilings on elemi revoked May 21. New ceiling prices to be figured on same basis as copals).

Gum, ester,[7] gum-resin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., dlvd., Ill., etc.....lb. .1325- —
other points, same basis. lb. .1400- —
wood-rosin type (formerly designated as "ordinary"), dms., c.l., dlvd. Ill., Ind., etc..lb. .1050- .1074
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipes, cs.....lb. 2.00 - 2.05
powd., bbls.....lb. 2.25 - 2.30
Ghatti, bgs..... lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .21 - .50
Kauri (former dollar-and-cent ceilings revoked May 21. New ceiling prices are to be based on prices to be figured on same basis as copals).
Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs.....lb. 3.25 - 3.30
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs .....lb. .27 - .45
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, bgs.....lb. .90 - .95
Scammony, cs.....lb. 1.50 - 1.55
Talha, bgs.....lb. .10 - .11

Gum, tragacanth, No. 1, cs....lb. 5.00 - 5.25
No. 2, cs.....lb. 3.65 - 3.90
No. 3, cs.....lb. 3.20 - 3.45
Yacca (former dollar-and-cent ceiling prices revoked May 21. New ceiling prices to be figured on same basis as copals).
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Acme, Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —

Gypsum, stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.60 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., New Brighton, N. Y., same basis..ton.14.40 - —

H

Hawthorn berries, bgs.....lb. .60 - .65
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.25 - 2.30
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —

striking the might from termite!

How Dowicides Forestall Destruction

Public utilities, like other efficient industries, have learned they can depend on Dowicides to keep termites and decay from eating into the profit column!

Perhaps no other enterprise must combat the enemies of wood under such adverse conditions. Wood poles, carrying communication and power lines through every kind of climate, are preyed upon by mold, decay and termites.

Maximum protection for poles (or for wood in any form) is assured by using Dowicide 7 (Pentachlorphenol). Applied at low concentrations in light fuel oil, pentachlorphenol penetrates better than higher viscosity preservatives, gives better protection than water-soluble materials. Pentachlorphenol is only slightly soluble in water and low in vapor pressure. These factors conserve its extremely high toxicity for unsurpassed effectiveness.

Choose Dowicides! Stop avoidable losses in your industry today!

DOWICIDE
germicides and fungicides

control termites
mold and bacteria

DOWICIDES IN THE PAINT INDUSTRY

Dowicides are noted for their application in fighting mold in the paint industry. Mold attacks nearly all kinds of paint. Dowicides, added during manufacturing processes, result in paint that stays mold-free under all conditions.

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CHEMICALS INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Hematine, paste, No. 1, bbls., l.c.l.	lb.	.17½- —
No. 2, bbls., l.c.l.	lb.	.16½- —
No. 3, bbls., l.c.l.	lb.	.15½- —
red, No. 4, bbls., l.c.l.	lb.	.14½- —
Hemlock bark extract,[6] 25% tan, bbls., c.l., works.	lb.	No stocks
tanks, works	lb.	No stocks
Henbane leaves, bls.	lb.	1.00 - 1.25
Henna leaves, bls.	lb.	.29 - .30
powd., bbls., bxs.	lb.	.34 - .36
Heptane,[1] industrial grade, 50°-100° C., dms., c.l., Group 3,	gal.	.12½- —
l.c.l., Group 3	gal.	.19 - —
tanks, Group 3	gal.	.10½- —
77°-115° C., dms., c.l., Group 3.	gal.	.13 - —
l.c.l., Group 3	gal.	.19 - —
tanks, Group 3	gal.	.10½- —
laboratory grade, dms., c.l., Group 3-gal.		.16 - —
l.c.l., Group 3	gal.	.29 - .55
Hexalin (see cyclohexanol).		
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C.	lb.	.24 - —
smaller lots, same basis	lb.	.25 - —
USP, dms., 500 lbs. or more, same basis	lb.	.35 - —
smaller lots, same basis	lb.	.36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3,	gal.	.13½- —
l.c.l., Group 3	gal.	.19 - —
tanks, Group 3	gal.	.10½- .11
laboratory grade, dms., c.l., Group 3.	gal.	.16 - —
l.c.l., Group 3	gal.	.29 - .55
Hexanol, normal, dms., l.c.l., works	lb.	.25 - —
Homatropine hydrobromide, bots.	oz.	15.00 -25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago	unit-ton.	8.00 - 9.00
Hops, NF, bls.	lb.	.50 - 1.50
Horehound, bls.	lb.	.13 - .15
Hydrangea root, bls.	lb.	.22 - .25
Hydrastine, alkaloid, bots.	oz.	20.00 -22.00
Hydrochloride, bots.	oz.	20.00 -22.00
Sulphate, bots.	oz.	29.00 -32.00
Hydrastinine, 10-gr. bots.	bot.	1.95 - —
Hydrastis (see Goldenseal).		
Hydrofuramide, dms., fib. cns., works.	lb.	.30 - .40
Hydrogen peroxide, USP, bbls.	lb.	.08¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal.	lb.	.15½- .18½
Hydroquinone, bbls., dms.	lb.	.90 - .94
Hydroxycitronellal, cns.	lb.	No prices
dms., extra, ret'able, dlvd.	lb.	No prices
Hyoscine hydrobromide, bots.	oz.	39.00 -45.00
Hyoscyamine, bots.	oz.	18.00 -20.00
Hydrobromide, bots.	oz.	18.00 -19.50
Sulphate, bots.	oz.	14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l.	lb.	.42 - —
No. 2, bbls., l.c.l.	lb.	.34 - —
liquid, No. 1, bbls., l.c.l.	lb.	.24 - —
No. 2, bbls., l.c.l.	lb.	.19 - —
solid, No. 1, bxs., l.c.l.	lb.	.30 - —
Hyssop, bgs.	lb.	.60 - .61
leaves, bgs.	lb.	.69 - .70

I

Iceland moss, bgs.	lb.	.50 - .52
Ichthammol, NF, bots.	lb.	2.45 - —
Indian red (see Red, Indian).		
Indigo, nat., chests	lb.	2.14 - 2.30
synth., paste, bots.	lb.	.16½- .19
powd., bbls.	lb.	.74½- .85
Indol, CP, bots.	lb.	19.00 -22.00
Insect flowers (see Pyrethrum).		
Iodine, crude, 25-lb. jars	lb.	1.67 - —
150-lb. kgs.	lb.	1.28¼- —
resubl., 5-lb. bots., jars	lb.	1.75 - 1.85
Iodoform, 100-lb. dms., kgs.	lb.	3.95 - 4.10
25-lb. jars or fib. dms.	lb.	4.20 - —
Ionone, ketone, bot.	lb.	6.00 - 9.50
Methyl, bot.	lb.	6.25 -12.00
Ipecac root, bgs.	lb.	6.00 - 6.25
powd., bgs	lb.	6.50 - 6.75
Irish moss, bleached, prime	lb.	.25 - .30
Iron acetate, liquor, bbls., c.l., dlvd.	lb.	.17 - —
l.c.l., dlvd.	lb.	.18 - —
solut., USP IX, 100-lb. cbys.	lb.	.17 - —
50-lb. djns.	lb.	.18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works. 100 lbs.		4.90 - 5.25
l.c.l., works. 100 lbs.		6.50 - 6.85
cryst., tech., bbls., works, frt. alld. 100 lbs.		4.00 - 6.00
USP X, lump, bbls.	lb.	.07 - .08¼
solut., 42 Be, cbys., works, frt alld. or equald.	lb.	.05½- .06
djns., same basis	lb.	.40 - —
Citrate, USP VIII, gran., dms.,	lb.	.70 - .75
powd., cns.	lb.	.84 - .87
Glycerophosphate, bbls.	lb.	3.40 - 3.52
Hypophosphite, bbls., dms.	lb.	1.50 - 1.52
Iodide, bots.	lb.	3.18 - 3.22
Naphthenate, 6% Fe, 50-gal. dms.	lb.	.21 - —
Nitrate, red, tech., dms.	lb.	.03½- .04
Oxalate, gran., dms.	lb.	.33 - .35
powd., cns.	lb.	.52 - —
kgs.	lb.	.47 - .48
Phosphate, soluble, NF, gran., cns.	lb.	.54 - .57
Pyrophosphate, gran., cns.	lb.	.59 - .63
Reduced, 90%, kgs.	lb.	.65 - .75
Resinate, 7.4% Fe, 100-lb. dms.	lb.	.17¾- —
Sulphate (ferric), anhyd., bgs., c.l., works.	ton.	35.00 - —
l.c.l., works	ton.	40.00 - —
(ferrous) tech. (see Copperas).		
USP, cryst., bbls., dms.	lb.	.05½- .11
Tallate, 4% Fe, 50-gal. dms.	lb.	.10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.	lb.	.33 - .38
scale, dms.	lb.	.49 - .52
Oxalate, bbls.	lb.	.23½- —
dms., kgs.	lb.	.25½- .26½
Iron-soda oxalate, bbls., dms.	lb.	.23½- .26½
Isobornyl acetate, cns., works.	lb.	.80 - .96
Isobornyl thiocyanoacetate, dms., c.l., works.	gal.	4.35 - —
l.c.l., works	gal.	4.45 - 4.55
tanks, works	gal.	4.25 - —
Isobutyl acetate, cns.	lb.	1.10 - —
Propionate, cns.	lb.	No prices
Isoeugenol, cns., works.	lb.	3.75 - 4.25
Isopentane, dms., works.	lb.	.45 - .55
Isophorone, dms., c.l., works.	lb.	.21 - —
l.c.l. works	lb.	.22 - —
tanks, works	lb.	.20 - —
Isopropanol (see Alcohol, Isopropyl).		
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld.	lb.	.09¼- —
l.c.l. E. of Rockies, same basis.	lb.	.10 - —
tanks, E. of Rockies, same basis.	lb.	.08¾- —
Alcohol (see Alcohol, Isopropyl).		
Ether, dms., c.l., dlvd.	lb.	.06 - —
l.c.l.	lb.	.06½- —
tanks, dlvd.	lb.	.04½- —
Isopropylamine, dms., works.	lb.	.25 - —

J

Jaborandi leaves, bls.	lb.	.30 - .31
Jalap root, NF, bls.	lb.	.37 - .52
powd., bbls., bxs.	lb.	.43 - .58
Resin, lump, cns.	lb.	5.85 - —
powd., bxs.	lb.	5.90 - —
Juniper berries, bgs.	lb.	.22 - .25
Juniper tar, USP, dms.	lb.	.70 - 1.00

K

Kamala, powd., cns.	lb.	.46 - .48
Kaolin (see China clay).		
Kava kava root, bls.	lb.	.28 - .30
Kerosene, at refinery: Ark., 42-44 w.w., tanks.	gal.	.05 - —
Bayonne, 41-43, w.w., tanks.	gal.	.061 - —
California, 40-43 w.w., tanks.	gal.	.07 - —
Gulf ports, 41-43 w.w., tanks.	gal.	.04⅝- .05
Okla.-Tex., 41-43 w.w., tanks.	gal.	.04875- —
Penn., 45 w.w., tanks.	gal.	.0655- .0705
47 w.w., tanks.	gal.	.0705- —
Kola nuts, bgs.	lb.	.10 - .11
Kyanite, imp., low iron content, 10-mesh, whse.	ton.	85.00 -95.00
calcined, grain, 10-mesh, whse.	ton.	95.00 -105.00

L

Ladyslipper root, bls.	lb.	1.35 - 1.40
Lanolin (see Adeps lanae).		
Lard,[1,7] ref., tierces, c.l.	lb.	.2048- —
prime steam, tierces, c.l.	lb.	.1973- —
Larkspur seed, bgs.	lb.	.80 - .82
Laurel berries, bls.	lb.	.25 - .26
Leaves, Cyprus, bls.	lb.	.18½- .19
Greek, bls.	lb.	.19½- .20
Portuguese, futures, bls.	lb.	.13 - .13½
good, bls.	lb.	.15 - .15½
Turkish, bls., futures.	lb.	.16 - .16½
Lavender flowers, medium, bls.	lb.	.60 - .65
ordinary, bls.	lb.	.35 - .43
select, bls.	lb.	.65 - .70
Lead, acetate,[1] white, broken, bbls.	lb.	.12½- —
cryst., bbls.	lb.	.12½- —
gran., powd., bbls.	lb.	.13¾- —
Arsenate,[1] basic powder, 5-lb. bgs. or larger, c.l.	lb.	.14 - —
l.c.l.	lb.	.14½- —
1-lb. ctns., c.l.	lb.	.24 - —
l.c.l.	lb.	.24½- —
standard paste, cns., c.l.	lb.	.06¾- —
l.c.l.	lb.	.07 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest.		
Blue, basic sulphate, bbls., c.l., 20-ton lots, dlvd. E.	lb.	.08½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.08¾- —
l.c.l., dlvd. E.	lb.	.08¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.09 - —
Carbonate (see Lead, white).		
Chloride, fib. dms.	lb.	.49 - —
Iodide, NF V, bots.	lb.	2.80 - —
jars	lb.	2.60 - —
Linoleate, pale, precip., bbls.	lb.	.22½- —
Metal,[1,5] (see Protective Coatings Materials market).		
Metallic paste, dms., works.	lb.	No stocks
Naphthenate, 24%-30%, Pb.	lb.	.16½- .20
Nitrate, bbls.	lb.	.12¼- —
Oleate, bbls.	lb.	.17¾- —
Peroxide, powd., tech., bbls.	lb.	.23 - .28
Red, 95% Pb_3O_4, or less bbls., c.l. (20 tons), dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo., and E. of Cascade Mts., in Ore. and Wash.	lb.	.11 - —
other points.	lb.	.10¾- —
l.c.l., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.11½- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.12 - —
Colo., Mont., N. Mex., Wyo.	lb.	.11¾- —
other points.	lb.	.11¼- —
smaller lots, Ala., etc.	lb.	.12 - —
Ariz., etc.	lb.	.12½- —
Colo., etc.	lb.	.12¼- —
other points.	lb.	.11¾- —
in oil, kgs.	lb.	.16¾- —
97% Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Wash. and Ore.	lb.	.11¼- —
other points.	lb.	.11 - —
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.11¾- —
Ariz., etc.	lb.	.12¼- —
Colo., etc.	lb.	.12 - —
other points.	lb.	.11½- —
smaller lots, dlvd. Ala.	lb.	.12¼- —
Ariz., etc.	lb.	.12¾- —
Colo., etc.	lb.	.12½- —
other points.	lb.	.12 - —

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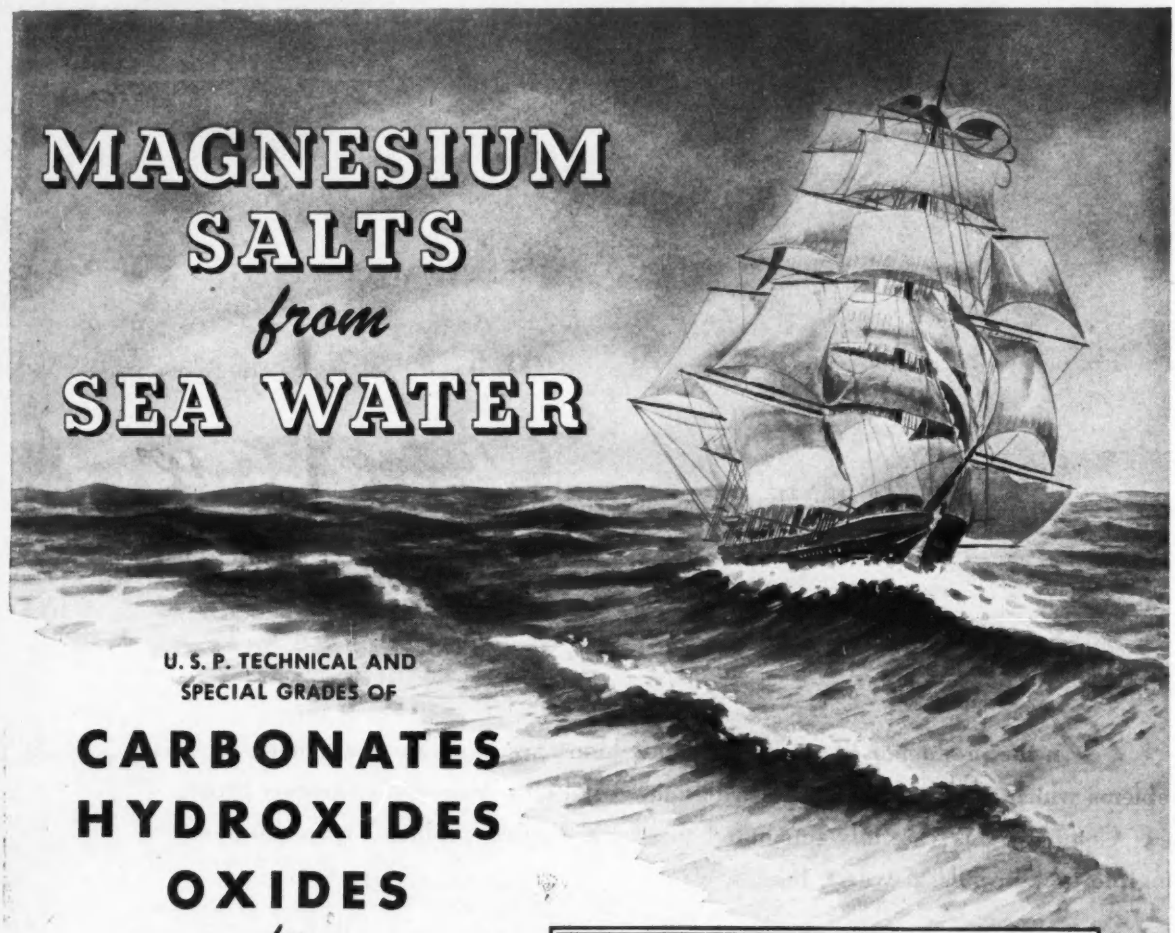
MANUFACTURING CHEMISTS SINCE 1833

Lead, red, 98% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc.	lb.	.11½-	—
other points	lb.	.11¼-	—
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.12 -	—
Ariz., etc.	lb.	.12½-	—
Colo., etc.	lb.	.12¾-	—
other points	lb.	.11¾-	—
smaller lots, dlvd. Ala., etc.	lb.	.12½-	—
Ariz., etc.	lb.	.13 -	—
Colo., etc.	lb.	.12¾-	—
other points	lb.	.12¼-	—
Resinate, precip., 23.8% Pb dms.	lb.	.20 -	—
Silicate, bgs.	lb.	.0730-	.0780
Soyate, 20.15% Pb., dms.	lb.	.22¼-	—
Stearate, bbls.	lb.	.34½-	.35½
Sulphate (see Lead, blue; Lead, white, basic sulphate).			
Tallate, 10% Pb., dms.	lb.	.08½-	—
Titanate, bgs., bbls., c.l., l.c.l., 6 tons, one delivery, E. frt. alld.	lb.	.11¼-	—
Pac. Cst., ex whse.	lb.	.11½-	—
smaller lots, E. frt. alld.	lb.	.11½-	—
Pac. Cst., ex whse.	lb.	.11¾-	—
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.10 -	—
dlvd. other points	lb.	.09¾-	—
l.c.l., dlvd. Ariz., etc.	lb.	.10¼-	—
other points	lb.	.10 -	—
basic sulphate, bbls., c.l., dlvd. Ariz., etc.	lb.	.09 -	—
other points	lb.	.08¾-	—
l.c.l., dlvd. Ariz., etc.	lb.	.09¼-	—
other points	lb.	.09 -	—
in oil, consumers, kgs.	lb.	.15 -	—
painters, kgs.	lb.	.14 -	—
Lecithin, edible, dms., c.l.	lb.	.25¼-	—
l.c.l.	lb.	.26½-	.45
in cocoa butter, dms., c.l.	lb.	.39½-	—
l.c.l.	lb.	.40¾-	.50
tech., dms., c.l.	lb.	.25¼-	—
l.c.l.	lb.	.26¼-	.45
vegetable, pure, bots., 100 lbs.	lb.	2.75 -	—
Lemon peel, bls.	lb.	.35 -	.40
Licorice extract, mass, cns.	lb.	.40 -	.42
powd., bbls.	lb.	.60 -	.62
Root, Indian, bls.	lb.	.12 -	.14
powd., bbls.	lb.	.18 -	.20
Russian, bls.	lb.	.12 -	.13
Spanish, bls.	lb.	.12 -	.13
Turkish, bls.	lb.	.12 -	.13
Lignin extract tanning grade, bgs., c.l., works.	lb.	.04 -	—
Lime, chemical (quicklime), lump, pebble, Adams, Mass.	ton.	9.00 -	—
Annville, Pa.	ton.	8.50 -	—
Bellefonte, Pa.	ton.	8.50 -	—
Berkeley, W. Va.	ton.	8.50 -	—
Buffalo, N. Y.	ton.	10.25 -	—
Carey, Ohio	ton.	7.00 -	—
Cedar Hollow, Pa.	ton.	9.00 -	—
Crab Orchard, Tenn.	ton.	7.90 -	—
Eagle Mountain, Va.	ton.	8.50 -	—
Farnams, Mass.	ton.	9.00 -	—
Gibsonburg, Ohio.	ton.	7.50 -	—
Hannibal, Mo.	ton.	7.50 -	—
Keystone, Ala.	ton.	7.90 -	—
Knoxville, Tenn.	ton.	7.90 -	—
Limedale, Ark.	ton.	8.00 -	—
Longview, Ala.	ton.	7.90 -	—
Manistique, Mich.	ton.	8.00 -	—
Marblehead, Ohio.	ton.	8.50 -	—
Martinsburg, W. Va.	ton.	8.00 -	—
Menominee, Mich.	ton.	7.50 -	—
Mitchell, Ind.	ton.	7.50 -	—
Newala, Ala.	ton.	7.90 -	—
Ripplemead, Va.	ton.	8.50 -	—
Riverton, Va.	ton.	8.50 -	—
Rockland, Maine.	ton.	8.00 -	—
Scioto, Ohio.	ton.	6.50 -	—
Lime, chemical (quicklime), lump, pebble, Sherwood, Texas.	ton.	7.90 -	—
Sherwood, Wisc.	ton.	8.50 -	—
Springfield, Mo.	ton.	8.00 -	—
Woodville, Ohio.	ton.	8.50 -	—
York, Pa.	ton.	8.50 -	—
Hydrated, Adams, Mass.	ton.	10.00 -	—
Annville, Pa.	ton.	10.00 -	—
Bellefonte, Pa.	ton.	10.00 -	—
Berkeley, W. Va.	ton.	10.00 -	—
Buffalo, N. Y.	ton.	10.50 -	—
Carey, Ohio.	ton.	8.50 -	—
Cedar Hollow, Pa.	ton.	10.00 -	—
Crab Orchard Tenn.	ton.	10.65 -	—
Eagle Mountain, Va.	ton.	10.00 -	—
Farnams, Mass.	ton.	10.00 -	—
Gibsonburg, Ohio.	ton.	9.50 -	—
Hannibal, Mo.	ton.	9.50 -	—
Keystone, Ala.	ton.	11.65 -	—
Knoxville, Tenn.	ton.	10.65 -	—
LeRoy, Minn.	ton.	10.00 -	—
Limedale, Ark.	ton.	10.00 -	—
Longview, Ala.	ton.	11.65 -	—
Manistique, Mich.	ton.	9.50 -	—
Marblehead, Ohio.	ton.	10.50 -	—
Martinsburg, W. Va.	ton.	10.00 -	—
Mitchell, Ind.	ton.	10.00 -	—
Newala, Ala.	ton.	11.65 -	—
Petoskey, Mich.	ton.	10.00 -	—
Port Island, Mich.	ton.	9.00 -	—
Rapid City, S. Dak.	ton.	12.00 -	—
Ripplemead, Va.	ton.	10.00 -	—
Rockland, Maine.	ton.	9.00 -	—
Scioto, Ohio.	ton.	8.00 -	—
Sherwood, Tenn.	ton.	11.65 -	—
Sherwood, Wisc.	ton.	10.00 -	—
Springfield, Mo.	ton.	9.00 -	—
Woodville, Ohio	ton.	8.50 -	—
York, Pa.	ton.	10.00 -	—
Spray, paper bgs., Adams, Mass.	ton.	10.00 -	—
Annville, Pa.	ton.	10.00 -	—
Bellefonte, Pa.	ton.	10.00 -	—
Carey, Ohio	ton.	11.00 -	—
Lime, spray, Farnams, Mass.	ton.	9.50 -	—
Gibsonburg, Ohio.	ton.	10.00 -	—
Marblehead, Ohio.	ton.	10.00 -	—
Rockland, Maine.	ton.	10.00 -	—
Scioto, Ohio.	ton.	10.00 -	—
Woodville, Ohio.	ton.	10.00 -	—
York, Pa.	ton.	10.00 -	—
Lime salts (see Calcium).			
Lime-ammonia-nitrogen[6] 20.5% N. (see Ammonia nitrate-lime-stone).			
Linalool	lb.	7.60 -	—
Linalyl acetate, ex bois de rose, bots.	lb.	8.50 -	—
ex lignaloe wood, bots.	lb.	7.75 -	8.40
ex petitgrain, bots.	lb.	3.90 -	4.10
Linden flowers with leaves, bls.	lb.	.55 -	.60
without leaves, bls.	lb.	.60 -	.65
Linseed meal,[7] 34%, bulk, c.l.,	ton.	59.00 -	—
32%, same basis	ton.	57.00 -	—
Litharge, com'l, powd., bbls., c.l. dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash.	lb.	.10 -	—
other points	lb.	.09¾-	—
Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.10½-	—
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.11 -	—
Colo., Mont., N. Mex., Wyo.	lb.	.10¾-	—
other points	lb.	.10¼-	—
smaller lots, dlvd. Ala., etc.	lb.	.11 -	—
Ariz., etc.	lb.	.11½-	—
Colo., etc.	lb.	.11¼-	—
other points	lb.	.10¾-	—
Lithium bromide, bbls., 100-lb. lots, works, frt. equald.	lb.	1.90 -	—
smaller lots, works	lb.	1.92 -	1.95
Carbonate, NF, bbls., kgs.	lb.	1.25 -	1.30
Chloride, jars	lb.	1.65 -	1.70
Citrate, bbls., dms., kgs.	lb.	1.40 -	1.41
Fluoride, bbls.	lb.	2.45 -	2.60
Hydroxide, jars	lb.	1.25 -	1.46
Iodide, bots	lb.	5.20 -	—
jars	lb.	5.05 -	—
Stearate, fib. dms., works.	lb.	.53½-	—
Lithopone,[7] ordinary, bgs., c.l. (20tons).	lb.	.0440-	—
l.c.l.	lb.	.0465-	—
bbls., c.l.	lb.	.0465-	—
l.c.l.	lb.	.0490-	—
Titanated (high-strength), bgs., c.l.	lb.	.05¾-	—
smaller lots	lb.	.06 -	—
bbls., c.l.	lb.	.06 -	—
smaller lots	lb.	.06¼-	—
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst. ½c. higher.			
Liverwort leaves, bls.	lb.	.75 -	.80
Lobelia herb, bls.	lb.	.75 -	.80
Lobeline sulphate, bots., wks.	oz.	25.50 -	38.60
Logwood extract, crystals, No. 1, bbls., l.c.l.	lb.	.34 -	—
No. 2, bbls., l.c.l.	lb.	.32 -	—
liquid, No. 1, bbls., c.l.	lb.	.17 -	—
No. 2, bbls., l.c.l.	lb.	.16 -	—
No. 3, bbls., l.c.l.	lb.	.15½-	—
No. 4, bbls., l.c.l.	lb.	.15 -	—
solid, No. 1, bxs., l.c.l.	lb.	.28 -	—
No 2, bxs., l.c.l.	lb.	.26 -	—
bbls., c.l., Zone 1	lb.	.09½-	—
No. 4, bxs., l.c.l.	lb.	.23 -	—
No. 8, bgs., l.c.l.	lb.	.23¼-	—
No 5, boxs., l.c.l.	lb.	.21½-	—
No. 6, boxs., l.c.l.	lb.	.39½-	.44½
Lovage root, American (ligusticum actae folium), bbls.	lb.	1.20 -	1.50
Lupulin, NF, tin	lb.	12.75 -	13.00
Lycopodium, USP, cs.	lb.	2.50 -	3.00

M

Mace,[7] Amboyna, cs.	lb.	.80	Nom.
Banda, cs.	lb.	1.10	Nom.
West Indian, bgs.	lb.	.90	Nom.
broken, bgs.	lb.	.35	Nom.
Madder, Dutch, bbls.	lb.	.24 -	.30
Magnesia arsenate,[1] dms.	lb.	.153 -	.18
Calcined, tech., USP, bbls., works.	lb.	.26 -	—
Carbonate, tech., bgs., c.l., l.c.l., Zone 1.	lb.	.07¼-	—
bbls., c.l., Zone 1	lb.	.07½-	—
l.c.l., Zone 1	lb.	.08½-	—
kgs., c.l., Zone 1	lb.	.08¾-	—
l.c.l., Zone 1	lb.	.09¾-	—
USP, bgs., c.l., Zone 1	lb.	.08 -	—
l.c.l., Zone 1	lb.	.09 -	—
bbls., c.l., Zone 1	lb.	.08½-	—
l.c.l., Zone 1	lb.	.09½-	—
kgs., c.l., Zone 1	lb.	.09¼-	—
l.c.l., Zone 1	lb.	.10½-	—
Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.			
Chloride, anhyd., bbls., dlvd.	lb.	.12¾-	—
flake, bbls., c.l., works.	ton.	32.00 -	—
l.c.l., works	ton.	39.00	-42.00
Fluoride, bbls.	lb.	.20 -	.25
Hydroxide, medicinal, bbls., dms., kgs.	lb.	.29 -	.30
Hypophosphite, cns.	lb.	1.45 -	—
Laurate, bbls.	lb.	.33 -	.35
Oxide (see Magnesia, calcined).			
Peroxide, 15%, dms., works.	lb.	1.00 -	1.05
Phosphate, tribasic, USP, bbls.	lb.	.60 -	—
Silicate (see Talc).			
Silicofluoride, bbls.	lb.	.08 -	.09
Stearate, ctns., 2,000 lbs. to c.l.	lb.	.34½-	—
less than ton	lb.	.35½-	—
Sulphate (see Epsom salt).			
Trisilicate, dms., 1,000-lb. contracts.	lb.	.37 -	—
smaller lots	lb.	.42 -	—
Magnesite, cal., powd., bgs., c.l., mines, Calif.	ton.	58.75 -	—
dead-burnt,[1] bulk, c.l., Chewelah, Wash.	ton.	22.00	-32.00
Maleic anhydride, dms., c.l.	lb.	.25 -	—
l.c.l.	lb.	.26 -	—
Malva flowers, black, bls.	lb.	No stocks	
blue, bls.	lb.	1.55 -	1.60
Leaves, bls.	lb.	.40 -	.41
Manaca root, bls.	lb.	.50 -	.51
Mandrake root, bls.	lb.	.33 -	.34
Manganese acetate, dms.	lb.	.25½-	—
Arsenate,[8] bgs.	lb.	.12 -	.12¼
Borate, tech., bbls.	lb.	.16 -	.18
Carbonate, bbls.	lb.	.19 -	—
Chloride, anhyd., bbls., wks.	lb.	.14 -	.16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works.	ton.	74.00 -	—
smaller lots, works.	ton.	77.00	-82.00
85-90%, bbls., c.l., works.	ton.	74.00 -	—
smaller lots, works.	ton.	77.00	-82.00
burlap bgs., c.l., works.	ton.	71.75 -	—
l.c.l., works.	ton.	74.75	-79.75
paper bgs., c.l., works.	ton.	70.00 -	—
l.c.l., works.	ton.	73.00 -	—



U. S. P. TECHNICAL AND SPECIAL GRADES OF

CARBONATES
HYDROXIDES
OXIDES
for
PHARMACEUTICAL
COSMETIC
FOOD
RUBBER
PRINTING INK
PAINTS & VARNISHES
CHEMICALS

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MARINE MAGNESIUM
PRODUCTS CORPORATION
Original Producers of Magnesium Salts from Sea Water

© 1945. Marine Magnesium Products Corp

Manganese glycerophosphate, fib. dms., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots.....lb. 5.70 - —
jars .....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls..lb. .22 - —
Naphthenate, 6% Mn, dms...lb. .15¾- .16
Resinate, fused, 3¼%, bbls..lb. .09 - .10½
precip., dms.....lb. .17½- —
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer grade, 65%, bgs., c.l., dlvd. East..ton. 52.00 - —
l.c.l., same basis, or Balto. or Cincinnati... ton. 65.00 - —
industrial grade, 80%, bgs..lb. .05 - .05¾
Tallate, 4% Mn, dms.....lb. .09 - —
Mangrove bark,[1,5] E. Africa, 38% tannin, c.l., ex dock, U. S. ports..ton. 53.00 - —
Manna, flake, large, cs.....lb. 1.50 - 1.55
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works.lb. .35 - .40
reagent, cs. or multiples, works..lb. .35 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast.lb. .35 - .36
Chilean, bls. .....lb. .08½- .09
Matico leaves, bls.....lb. .22 - .29
Menadione, USP, bots., works, gram. .10 - —
Menthol, natural, USP, Brazilian, cns..lb. 8.25 - 8.50
synthetic, tech., cns.....lb. No prices
USP, laevo, cns.....lb. No prices
racemic, cns. .....lb. 6.10 - 6.20
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails .....lb. 1.30 - —
50%, pails .....lb. 1.88 - 1.90
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.86 - —
Iodide, red, NF, dms., kgs..lb. 4.80 - —
yellow, fib. dms., kgs.....lb. 4.38 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
yellow, USP, fib dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mercury and chalk, dms....lb. 1.68 - 1.70
Mesityl oxide, dms., c.l., dlvd.lb. .11½- —
l.c.l., dlvd. .....lb. .12 - —
tanks, dlvd. .....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. No stocks
Gold X+, deep, 23, 3⅜x3⅜ in., pkg. No stocks
Silver, 3⅜x3⅜ in.....pkg. No stocks
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs. ..lb. .70 - —
Methanol,[1] natural, all grades. dms., c.l, E. of Miss. R. gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. 60 - —
Prices on natural methanol W. of Miss. R., 3c. higher.
synth. dms., c.l., Zone 1, frt. alld..gal. .31 - —
2 frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .38 - —
4 frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld. .....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn. Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Abietate, non-ret. dms., c.l., dlvd..lb. .09¼- —
10 dms., dlvd.....lb. .10¼- —
1-9 dms., dlvd.....lb. .11½- —
hydrogenated, non-ret. dms., c.l., dlvd..lb. .13¼- .16¾
10 dms. .....lb. .14½- .18
1-9 dms. .....lb. .15½- .19
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss. .....lb. .11½- .12
l.c.l., E. of Miss....lb. .11 - .14
W. of Miss. .....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss. .....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss. .....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .80½- —
Acetone, natural, Group A, dms., incl. E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.
Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis. lb. .50 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4 same basis.gal. .64½- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo. N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

Methyl acetone, synthetic, dms., c.l., Zone 1..gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, dms.....lb. 1.80 - 1.85
bots., cns. .....lb. 2.20 - 2.60
Benzoate, cns.....lb. .45 - .55
Bromide, cns.....lb. .63 - 65
cyls. .....lb. .55 - .70
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders. lb. .32 - —
service men and consumers..lb. .36 - —
50 to 499 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, 500-lb..lb. .40 - —
Methyl chloride, refrigeration, tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40
60-499 lb. cyl.....lb. .40 - —

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 130-lb. cylinders; 20-lb. cylinders 10c. per pound higher.

Alcohol (see Methanol).
Cinnamate, cns.....lb. 2.25 - 3.50
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] dms., 500 lbs....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots. frt. alld....lb. .58 - .63
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms. works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs., works. lb. 2.00 - 2.15
cns., works.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15
Methyleneanilin, lbs., ton lots, min. frt. alld..lb. .36 - —
smaller lots, same basis....lb. .37 - —
Methylethyl ketone, dms., dlvd.lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .09 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.75 - —
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .23½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton. 47.50 - —
l.c.l., works.....ton. 51.00 - —
roofing, 20 mesh, bgs., c.l., works..ton. 32.50 - 33.00
l.c.l., works.....ton. 38.00 - 40.00
30-31 mesh, bgs., c.l., works. ton. 32.50 - 35.00
l.c.l., works.....ton. 37.50 - 40.00
40-45 mesh, bgs., c.l., works. ton. 32.50 - 35.00
l.c.l., works.....ton. 37.50 - 40.00
80 mesh, bgs., c.l., works.. ton. 40.00 - 42.50
l.c.l., works.....ton. 44.00 - 45.50
graphite, bulk, Pa., mines.ton. 80.00 - —
wet-grd., biotite, bgs., c.l., works frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
extra fine, bgs., c.l., works, frt. alld. E..lb. .04¾- —
l.c.l., ex whse. or frt. alld. E..lb. .05¼- —

White Lead Adds MORE of the Properties that make Good House Paint

1 MIXING AND GRINDING EASE
2 PACKAGE STABILITY
3 HIDING
4 BRUSHABILITY
5 LEVELING
6 DRYING ACTION
7 WHITENESS
8 FOOL-PROOFNESS
9 FILM STRENGTH
10 FLEXIBILITY
11 TINT RETENTION
12 ADHESION
13 GLOSS
14 WEATHER RESISTANCE

YOU: Why are you painting all those words on that house?

DUTCH BOY: They're the properties that help you make good house paint.

YOU: Sure, every paint man knows that.

DUTCH BOY: But did you know you can get all 14 of them from one pigment—Basic Carbonate White Lead? And what's more, it imparts these properties to paint in well-balanced proportion.

YOU: Keep on—you interest me.

DUTCH BOY: And so will the story in the next column—about the "soap" formations that account for many of White Lead's properties.

* * *

Consult National Lead's technical staff for the whole picture of how Dutch Boy Basic Carbonate White Leads fit into your formulations. Take advantage of our broad experience which includes 28 years of continuous outdoor paint testing at our Sayville, L. I. test station.

The "Soap" that makes Paint Better

Many of White Lead's paint making properties are traceable, in an important degree, to the formation of lead soaps by the reaction of white lead with the oil. White Lead produces a unique type of soap formation with a fibrous structure and multiple projections radiating from a central core. The photomicrograph shows how the soaps spread out and mechanically reinforce the paint film. These soaps help make a more completely bonded film, having greater toughness, flexibility, adhesion and weather resistance.

The tendency of white lead to combine with linseed oil also explains why this pigment wets easily and consequently mixes and grinds well.

NATIONAL LEAD COMPANY: *New York 6, Buffalo 3, Chicago 80, Cincinnati 3, Cleveland 13, St. Louis 1, San Francisco 10, Boston 6 (National Boston Lead Co.); Pittsburgh 30 (National Lead & Oil Co. of Penna.); Philadelphia 7 (John T. Lewis & Bros. Co.)*

DUTCH BOY *Basic Carbonate* **WHITE LEADS**

Mica, wet-grd., paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.

Milk powder,[1,7] skimmed, roller, bulk, c.l..lb. .15¼- .17¼
spray, bulk c.l.....lb. .15¾- .17¾
whole, roller, bbls., c.l....lb. .40 - .41
spray, bbls., c.l.....lb. .41 - .42
Milk sugar,[1] bbls., c.l., works.lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,6] blackstrap, tanks, works Area 1..gal. .18 - —
Area 2. .....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.60 - —
Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.
Molybdate orange (see Orange, molybdate).

Molybdenum metal,[6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[1,6] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%...lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l., works, basis 100%..lb. .18 - —
tanks, 100% basis, works..lb. .15 - —
Monomethylene, anhydrous, cyl., works, frt. alld. E. of Miss. 100% basis..lb. .32½- —
solution, dms., works, frt. alld. E. of Miss. 100% basis. lb. .37 - .43½
tanks, same basis.....lb. .32 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs .....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs. .....oz. 8.80 - —
Hydrobromine, 5 ozs. .....oz. 8.95 - —
cns., 25 ozs. .....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs. .....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works. lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13

Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.10
25 lbs. .....lb. 4.10 - 9.20
5 lbs. .....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs. .....lb. 4.25 - 9.35
5 lbs. .....lb. 4.40 - 9.70
xylol, cns. .....lb. 1.40 - 2.00
25 lbs. .....lb. 1.50 - 2.60
5 lbs. .....lb. 1.65 - 2.90
Muskroot, bls. .....lb. No prices
Mustard seed, Calif., Brown, bgs. lb. .15 - .15½
yellow, bgs. .....lb. .21 Nom.
Danish, yellow, bgs.....lb. .20 Nom.
Montana, brown, bgs., futures.. lb. .10 - .10½
oriental, bgs .....lb. .14 - .14½
futures .....lb. .08 - .08½
yellow, bgs. .....lb. No prices
futures .....lb. .07½- .07¾
Washington, yellow, bgs.....lb. .16 - .16½
Myrobalans,[1] whole J1, U. S. ports, ex dock..ton.51.00 -52.00
J2, same basis.....ton.48.00 -49.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., c.l., frt. equald..lb. .03 - .03¼
bbls., c.l., same basis..lb. .0335- .0375
tanks, same basis.....lb. .0275- .0325
78°, bgs., c.l., same basis. lb. .0325- .0375
bbls., c.l., same basis...lb. .0325- .0375
tanks, same basis.....lb. .03 - .0350

Naphthalene, refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .09½- —
50-lb. cs., same basis....lb. .09¾- —
1-lb. pkgs., same basis..lb. .11 - —
Neocinchophen, USP, dms., works. lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y...ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 1.95
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .36 - .36¼
Chloride, bbls. .....lb. .18 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8660- —
tins, 10 lbs. .....lb. 1.015 - —
Nicotinamide, USP, dms., works, kilo. 9.50 - 9.80
Nikethamide, bots., cbys.....lb. 7.00 - 8.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis. lb. .27 - —
Ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —
Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., works.....lb. .25 - —
Nitrogen soltu., tanks.....ton.108.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.
Nitrogenous process tankage,[1,7] bulk, works..unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk, works, unit-ton, 2.60 + .40-3.00 + .40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots. .....lb. .24 - .25
Nitropropane 1, dms., works..lb. .25 - —
M, dms., works.....lb. .25 - —
Nutgalls,[5] bgs. .....lb. .50 - .52
Nutmegs,[7] West Indian, bgs., July-Sept..lb. .70 - .71
Nux vomica, bls. .....lb. .09½- .10
powder, bbls., bxs.....lb. .13 - .14

O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G. 3.....gal. .29 - —
10 gals., G. 3.....gal. .55 - —
tanks, G. 3.....gal. .13 - —
Octanol, (see Alcohol, ethylhexyl).
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.A., bots.....lb. 4.75 - 5.00
USP, bots.....lb. No prices
sweet, exp., dms., cns....lb. 1.10 - 1.45
Angelica root, bots.....lb.115.00 -275.00
Seed, bots.....lb.115.00 -265.00
Anilin (see A).
Anise, USP, Chinese, dms..lb. 1.70 - 2.75
Russian, cns.....lb. 3.75 - —
Apricot kernel, cns.....lb. .60 - .85
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu,[1,7] tanks.....lb. .12 - —
Bay, W. I., 50-55%, cns....lb. 1.30 - 1.65
Puerto Rican, 50-55%, cns..lb. 1.58 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 5.50
natural, Italian, cns.....lb. 4.85 - 6.50
Birch (see Oil, sweet, birch).
Birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns....lb. 5.15 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. 2.25 Nom.
redistilled, USP IX, cns...lb. 2.40 - 2.75
Calamus, cns.....lb.20.00 -30.00
Camphor, white, nat., cns...lb. 1.25 - —
synthetic, cns.....lb. .15 - .25
Cananga, native, cns.....lb. 8.00 -14.00
rectified, cns.....lb.10.50 -17.00
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 6.85 - 8.75
Cardamom, bots. .....lb.17.00 -25.00
Cassia, USP, cns.....lb. 4.50 - 6.50
Castor,[1] blown, ret. dms., c.l.lb. .21¾- —
l.c.l. .....lb. .22¼- —
cold pressed, USP, cns.....lb. .22¼- .23½
dms., c.l.....lb. .20¼- —
l.c.l. .....lb. .21 - —
tanks .....lb. .1950- —
Oil, castor,[1] dehydrated, bodied, dms., c.l..lb. .2670- —
l.c.l. .....lb. .2719- —
tanks .....lb. .2630- —
unbodied, dms., c.l.....lb. .2579- —
l.c.l. .....lb. .2619- —
tanks .....lb. .2539- —
No. 3, tech., dms., c.l....lb. .20 - —
l.c.l. .....lb. .20¾- —
tanks .....lb. .1920- —
sulphonated, 50% (49% fat), dms., c.l..lb. .10 - .10¼
l.c.l. .....lb. .10½- .11
75% (63% fat), dms., c.l..lb. .12½- .12¾
l.c.l. .....lb. .13 - .13¼
80% (68% fat), dms., c.l..lb. .12¾- .13
l.c.l. .....lb. .13¼- .13¾
Cedarleaf,[1] USP, cns., dms..lb. 2.55 - 2.70
Cedarwood, USP, cns.....lb. .89 - 1.30
dms. .....lb. .86 - 1.15
Celery, bots.....lb.16.50 -20.00
Chaulmoogra, USP, cns.....lb. .80 - .85
Chinawood (see Oil, tung).
Cinnamon bark oil, bots.....lb.32.00 -41.00
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 1.85 - 2.75
Clove, USP, cns.....lb. 1.50 - 1.85
Coconut,[1,7] crude, Ceylon, bulk, c.i.f., N. Y..lb. .0885- —
Cochin type, bulk, c.i.f. N. Y..lb. .0935- —
Manila, bulk, c.i.f. N. Y..lb. .0841- —
ret. dms.....lb. .0891- .0980
edible, ex tax, tankcars....lb. .0985- —
Cod, Newfoundland, dms..gal. .88 - .90
tanks .....gal. .86 - —
Codliver, USP, bbls., dms..gal. 2.15 - 3.25
Coriander, bots.....lb.18.00 -22.50
Corn,[1,7] crude, tanks, works.lb. .12¾- —
edible, dms., l.c.l.....lb. .16½ Nom.
tanks .....lb. .1502- —
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E.lb. .03½- —

When it Smells better ...It sells better!

• Hundreds of products that formerly were associated with disagreeable odors are now enjoying respectability and acceptance due to the art of industrial perfuming.

• Felton Chemists and Perfumers daily apply the practical science of industrial perfuming by combining the CORRECT PERFUME with a particular product to give it *Extra* Acceptance and *Extra* Saleability.

FELTON INVITES YOU TO SEND SAMPLES OF YOUR PRODUCTS FOR CORRECT PERFUMING TO CONVINCE YOU THAT

"When it smells better... it sells better"

PAINT
THAT SMELLS BETTER . . . SELLS BETTER
RUBBER
THAT SMELLS BETTER . . . SELLS BETTER
LEATHER
THAT SMELLS BETTER . . . SELLS BETTER
SOLVENTS
THAT SMELL BETTER . . . SELL BETTER
TEXTILES
THAT SMELL BETTER . . . SELL BETTER

and this holds true with a great many other products

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599 JOHNSON AVENUE, BROOKLYN 6, NEW YORK

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MANUFACTURERS OF AROMATIC CHEMICALS, ESSENTIAL OILS, PERFUMES AND FLAVORS

Oil, cottonseed,[1,7] crude, tanks, works..lb. .12½- .13½
foots, acid 95%, tanks, divd. E..lb. .07⅝- —
raw, 50%, tanks, divd. E. lb. .09⅝- —
salad, or winterized, tankcars lb. .1558- —
Creosote (see C).
Croton, NF, cns.....lb. 4.25 - 4.75
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.50 -22.00
Cypress, bots.....lb.12.00 -16.00
Dagras (see D).
Dillseed, bots.....lb. 6.00 - 7.00
Dillweed, bote.....lb. 4.25 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, USP, rect., 80-90%, cns..lb. 1.18 - 1.40
70-80%, cns.....lb. 1.05 - 1.40
Fennel, sweet, cns.....lb. 3.75 - 4.50
Fir, Canada, cns.....lb. 2.50 - 2.80
Fishliver,[1] dms., less than 40,000 A units per gram... per million units. .14 - —
for each 1,000 additional A units up to 200,000 grams per million units. .001 - —
200,000 or more A units.... per million units. .80 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz.15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.16.00 -28.00
Bourbon, cns.....lb.16.25 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.11.00 -14.00
Grapefruit, Florida, cns.....lb. 2.20 - 2.25
California bots. cns.....lb. 2.05 - 2.15
Grease,[1] common, No. 1, bbls., c.l..lb. .14 Nom.
extra, No. 1, bbls., c.l.....lb. .14½ Nom.
Winter strained, bbls., c.l..lb. .15 Nom.
prime, burning, bbls., c.l..lb. .16 Nom.
inedible, bbls., c.l.....lb. .15½ Nom.
Guaiacwood, cns.....lb. 2.50 - 4.00
Hemlock, cns.....lb. 2.60 - 2.75
Herring,[1] crude, tanks, Pac. coast..lb. .089 - —
Juniper, berry, dom., bots...lb. 6.50 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns.....lb. .83 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 4.30 - 5.50
Lavender flower, French, 38%-42% ester, cns..lb.10.00 -17.00
30-32% ester.....lb. 6.00 -10.00
Russian, cns.....lb.13.75 - —
spike, Spanish, pure, cns...lb. 2.50 - 3.10
tech., cns. .....lb. 2.10 - 2.50
Lemon, USP, Calif., cns....lb. 3.25 - —
Messina,[1] cns.....lb. 3.25 - 3.65
Terpeneless, bots.....lb.40.00 -50.00
Lemongrass, cns., dms.....lb. 4.00 - 4.45
Lignaloe seed Mexican, cns.. lb. No stocks
wood, Mexican, cns.....lb. 4.60 - 5.75
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns. lb. 5.25 - 7.20
West Indian, cns.....lb. 6.10 - 7.50
expressed, West Indian, cns.lb.13.50 -15.00
Linseed,[1,7] raw, dms., c.l....lb. .1880- —
l.c.l. .....lb. .1930- .1960
tanks .....lb. .1800- —
tankwagon .....lb. .1800- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .1790- —
dms., l.c.l.....lb. .1870- .1890
tanks .....lb. .1710- —
Lubricating,[1] at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks. gal. .23 - .25
neutral, 300 vis., No. 3, col., 0.10 pour, tanks.gal. .18½- .19
200-300 vis., No. 3, col., 15-25 pour, tanks.gal. .16 - .18
145-155 vis., No. 3, color, 10-25 pour, tanks..gal. .26 - .31
cylinder oils, 600-630 flash, tanks..gal. .17 - .19
600-650 steam, refd., tanks..gal. .15½- .20
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .26 - .36
200 vis., 25 pour, tanks. gal. .28 - .38
Mace, dist., cns., dms.....lb. 6.75 - —
Mineral, white (see Oil, white).
Mandarin, Brazilian, cns.....lb. 6.60 -10.00
Menhaden,[1,7] crude, tanks, Balto. lb. .089 Nom.
refined, alkali, dms., c.l....lb. .1400 Nom.
kettle-bodied, dms., l.c.l..lb. .1500 Nom.
light-pressed, dms., l.c.l..lb. .1300 Nom.
tanks .....lb. .1220 Nom.
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., extra....lb. .14⅝- —
Neatsfoot,[1] 15°, bbls.....gal. 1.80 Nom.
20°, bbls. .....gal. 1.75 Nom.
30°, bbls. .....gal. 1.55 Nom.
pure, bbls .....lb. .22 - —
Neroli, French, bots.....lb.195.00 -390.00
Haitian, bots. .....lb.170.00 -200.00
Nutmeg, cns .....lb. 0.75 - —
Ocotea cymbarum, dms.....lb. .80 - .88
Oiticica,[1] liquid, dms., c.l....lb. .25½- —
l.c.l. .....lb. .26 - .27
Oleo[1] extra, tcs.....lb. .28½- .30
Olibanum, bots.....lb. 5.00 - 5.70
extra fine.....lb. 6.25 - —
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 3%-1½% f.f.a., dms., extra, works..gal. 4.30 - 4.50
imported, dms. .....gal. 4.91½-5.11½
foots,[1] dom., dms., c.l.....lb. .18 - —
tankcars, works.....lb. .17 - —
imp.,[1] dms., c.l., ex dock. lb. .18 - —
tankcars, ex dock....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
85% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - 1.75
expressed, USP, Brazilian, cns..lb. 1.45 - 2.00
Calif., cns.....lb. 1.60 - 2.00
Florida, cns., dms.....lb. 1.46 - 1.80
Messina, coppers.....lb. No stocks
West Indian, cns. .....lb. 2.25 - 3.75
sesquiterpeneless, bots.....lb.100.00 -114.00
Origanum, Spanish, cs.....lb. 2.85 - 3.10
Palm,[1,7] Niger, dms... .....lb. .0685- —
Palmarosa, cns.....lb. 8.50 - 9.50
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y..lb. .0835 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S..gal. .05⅝- —
320° flash, 60-70 vis. tanks, G.S..gal. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.S..gal. .08 - —
80-85 vis., 0/10 pour bbls. extra. Ind. ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .08½- —
10/25 pour, same basis.gal. .08¼- —

Oil, patchouli, imported, cns...lb.90.00 -114.00
Peanut,[1,7] bleached, undeodr., tankcars..lb. .1521- —
crude, tanks, works.....lb. .12½- .13¾
foots, acid, 95%, tanks, divd. E..lb. .08 - —
raw, 50%, tanks, divd., E.lb. .04 - —
hydrogenated, tankcars....lb. .1620- —
Pennyroyal, dom., dms., cns. lb. 3.25 - 3.60
import, cns.....lb. 3.75 - 4.50
Peppermint,[1] natural, dms...lb. 7.50 - 8.25
redist, USP, dms.....lb. 7.85 - 8.60
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms. lb. 4.35 - 4.75
Pimento, berry, dms... ....lb. 8.85 - 8.00
leaf, cns.....lb. 3.25 - 3.65
Pine, destructively dist., ret. dms., l.c.l., Jacksonville..gal. .63 - —
New Orleans.... ....gal. .60 - —
steam dist., dms..... ....gal. .65 - —
Pineneedle, cns. .....lb. 3.35 - 3.65
Putty, petroleum, heavy, dms., gal. .18 - —
tankwagon .....gal. .13½- —
light, dms.....gal. .16½- —
tankwagon ....gal. .12½- —
Rapeseed,[1] bulk.....lb. .13 - —
Red,[1] ret. bbls., c.l., dms., divd. E. of Rockies..lb. .13¼- —
W. of Rockies... .....lb. .14¼- —
Texas and Okla.....lb. .13¾- —
tanks, divd., E. of Rockies.lb. .12½- —
W. of Rockies.....lb. .13½- —
Texas and Okla... ....lb. .13 - —
double dist., ret. dms.. c.l., divd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla. .....lb. .16¾- —
special, non-ret. dms., bbls., c.l., divd. E. of Rockies. lb. .16¾- —
W. of Rockies.....lb. .17¾- —
Texas and Okla. . ....lb. .17½- —
Rose, natural, coppers.....oz.31.25 -40.00

Oil, rosemary, Spanish, tech., cns., dms..lb. 1.20 - 1.50
USP, cns., dms.....lb. 1.48 - 1.75
Rosin, 1st rectified, dms....gal. .66 - —
2nd rectified, dms.. ....gal. .68 - —
Rosin, 3rd rectified, dms..gal. .72 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Dalmatian, cns.....lb. 6.50 - —
Spanish, cns..... ....lb. 2.55 - 3.50
Sandalwood, NF, Mysore, cns., case lots..lb.11.15 -17.00
Sardine, crude,[1,7] tanks, Pac. coast..lb. .089 Nom.
refined, alkali, dms., l.c.l..lb. .1400 Nom.
kettle-bodied, dms., l.c.l..lb. .1500 Nom.
light-pressed, dms., l.c.l..lb. .1300 Nom.
tanks .....lb. .1220 Nom.
Sassafras, artificial.....lb. .80 - 1.10
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms..lb. 1.90 - 2.30
Savin, cns.....lb.27.00 - —
Savory, cns.....lb. 8.00 - —
Seal,[1] No. 1, tanks, U.S. ports. lb. .089 - —
Sesame,[1,7] tanks.....lb. .1480- —
Shingle stain, bbls., c.l., works, gal. .2185- —
l.c.l., works.....gal. .25 - .29
tanks, works.....gal. .13 - .16
Snakeroot, Canada, cns.....lb. No stocks
Soybean,[1,7] clarified, dms....lb. .1296 Nom.
tanks .....lb. .12½- —
crude, tanks, Decatur....lb. .11⅞- —
winterized, tankcars, Decatur..lb. .1354- —
ret. dms.....lb. .1500- .1540
refd., varnish, dms.....lb. .1380- .1400
tanks .....lb. .1340- .1347
foots, acid, 95%, tanks, divd. E..lb. .07¼- —
raw, 50%, tanks, divd. E.lb. .06½- —
Spearmint, dms. .....lb. 6.75 - 7.50

Oil, sperm, bleached, 38°, dms. lb. .1445- —
natural, 45°, dms.....lb. .1310- .1311
Spruce,[1] cns., dms.....lb. 2.60 - 2.75
Sunflower,[1] imported, refined, tanks..lb. .1438- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns....lb. 5.00 - 7.25
South, cns.....lb. 2.50 - 3.25
Tall,[1] crude, dms., c.l., works. ton.53.65 -55.00
l.c.l., works.....ton.58.65 -63.60
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works .....lb. .04½- —
Tallow,[1] acidless, bbls., c.l., Chicago..lb. .09⅝- —
tanks, Chicago.....lb. .09⅛- —
Tansy, cns.....lb. No stocks
Tar,[1] pine, crude, dms., c.l., divd. E. cities..gal. .32⅝- —
l.c.l., works.....gal. .29⅜- —
tanks, divd. E. cities....gal. .27 - —
rectified, USP, bbls.....gal. .60½- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.60 - 3.65
white, cns. .....lb. 2.85 - 3.75
Tung,[1] dms., c.l.....lb. .39 - .39½
l.c.l. .....lb. .40 - .41
tanks .....lb. .38⅜- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .25 - .29
Vetiver, Bourbon, cns.....lb.37.50 -42.50
Whale,[1] ref., natural, dms..lb. No stocks
Winter bleached, dms.....lb. No stocks
Wheat germ, dms.....gal.10.00 -13.50
White, mineral, tech., 50-65 vis., dms., incl., c.l.gal. .40 - —
l.c.l. .....gal. .43 - .47
65-75 vis., dms., dms. incl., c.l..gal. .41 - —
l.c.l. .....gal. .44 - .48

New *Aromatic* Chemicals Developed During the Past Year

The new odor successes in the perfume and cosmetic field will be based upon these:

★ ALDEHYDE FK

Basis for Lilacs to create richer, stronger Lilac Odor. Add up to 10% Aldehyde FK.

★ JASMINOL

Similar in odor to Alpha Amyl Cinnamic Aldehyde but softer and finer. Stable in soaps and creams. Basis for Jasmin Odors.

★ TUBEROL

Basis for Tuberose odors and perfumes for creams, lotions, etc.

★ CUIRUSAL

Powerful aldehyde useful in flora. and many fancy bouquets. (Russian Leather)

★ RESEDALIA

A chemical surprisingly true to the odor of Reseda Mignonette.

★ ETHYLENE GLYCOL ACETAL OF PHENYL ACET ALDEHYDE

Softener and homogenizer for all types of Floral Odors.

★ VIOLETTONE

A Ketone basis with Patchouly note for Violet Odors.

These are a few of our recently developed products.

WRITE FOR COMPLETE LIST.

Cyclamal— An aldehyde replacing Hydroxy Citronellal. Five times stronger. Economical to use.

ESTABLISHED 1910 GD AROMATICS DIVISION

Aromatics Division
GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.
9 S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, white mineral, USP, 90/90 vis., dms., dms. incl., c.l. ..gal. .43 - —
l.c.l. ..gal. .46 - .50
125/135 vis., dms., dms. incl., c.l. ..gal. .54½- —
l.c.l. ..gal. .57½- .61½
145/155 vis., dms., dms. incl., c.l. ..gal. .56½- —
l.c.l. ..gal. .59½- —
175/185 vis., dms., dms. incl., c.l. ..gal. .59 - —
l.c.l. ..gal. .62 - .66
200/210 vis., dms., dms. incl., c.l. ..gal. .65 - —
l.c.l. ..gal. .66 - .70
335/345 vis., dms., dms. incl., c.l. ..gal. .71 - —
l.c.l. ..gal. .74 - .78
55, 70 and 85 vis., non-ret. dms., SanFrancisco..gal. .45 - —
smaller lots, same basis. gal. .47 - .50
100 vis., non-ret. dms., 65 dms., San Francisco..gal. .56½- —
100 vis., non-ret. dms., San Francisco, smaller lots, same basis..gal. .57½- .61½
145 vis., non-ret. dms., 65 dms., San Francisco..gal. .64 - —
smaller lots, same basis gal. .66 - .69
180 vis., non-ret. dms., 65 dms., San Francisco..gal. .69½- —
smaller lots, same basis gal. .71½- .74½
340 vis., non-ret. dms., 65 dms., San Francisco..gal. .81 - —
smaller lots, same basis gal. .83 - .86
Wintergreen, natural, North, cns..lb. 5.50 -12.00
South, cns. ..lb. 3.65 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, tung).

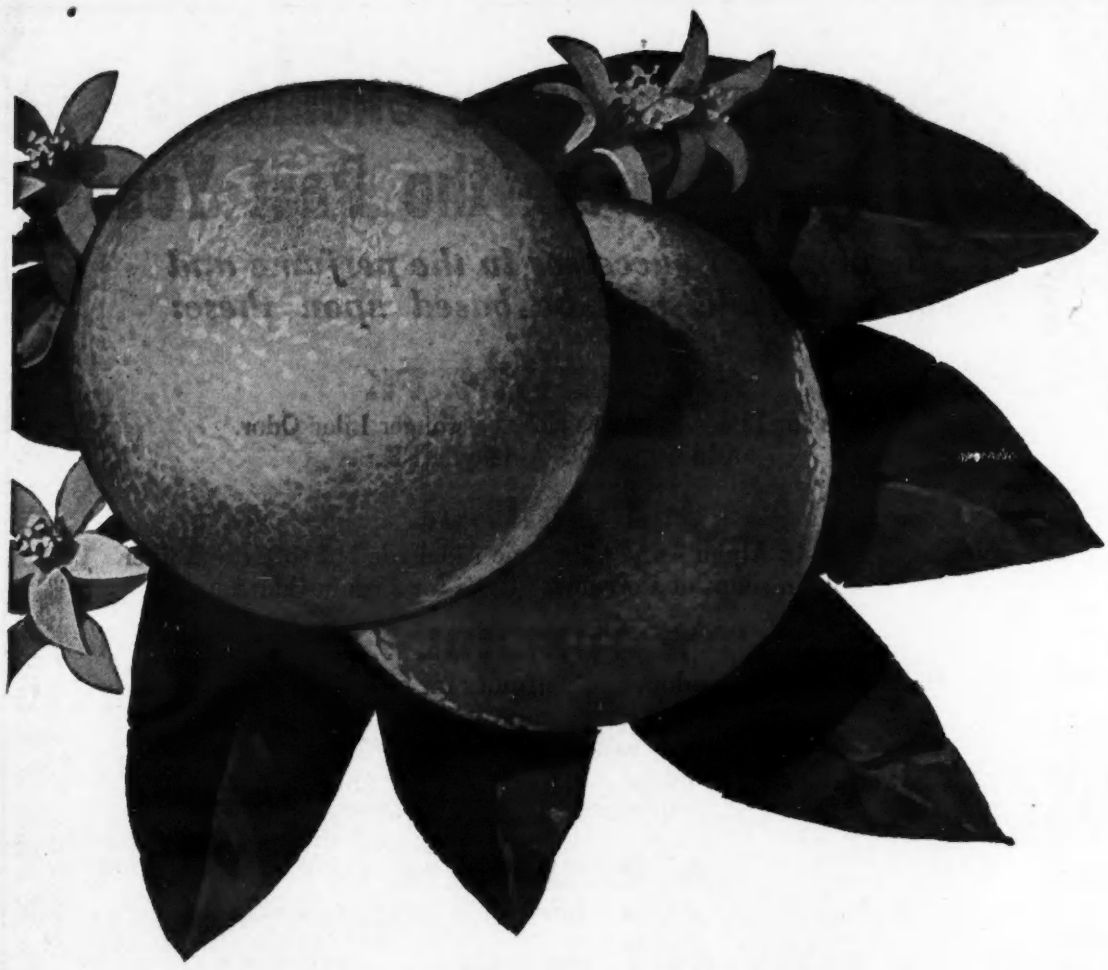
Oil, wormseed, cns. ..lb. 5.00 - 5.10
Wormwood, cns. ..lb. 4.85 -10.00
Ylang-ylang, Bourbon, extra, bots..lb.18.50 -24.00
first, bots. ..lb.14.00 -17.50
second, bots. ..lb.10.50 -14.00
third, bots. ..lb. 5.75 - 9.00
Oleostearin,[2,7] loose, Chicago..lb. .1061- —
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, paper bgs., c.l., works. ton. 7.00 - —
spalls, paper bgs., c.l., works. ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots. lb.13.00 - —
25-lb. lots ..lb.13.25 - —
smaller lots ..lb.13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, cadmium lithopone, bbls., frt. alld. ..lb. .65 - .75
Selenide, bbls., 100-lb. lots, works..lb. 1.50 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .18¾- —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas, Tex., 1¾c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Orange, dinitroaniln, toner[1]..lb. 1.05 - —
Molybdate,[1] bbls. ..lb. .32 - —
Orthonitroaniln toner,[1] bbls., kgs., works..lb. .80 - 1.05
Persian,[1] bbls. ..lb. .30 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .14 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .14½- —
Mont., Wyo., Colo., N. Mex..lb. .14¾- —
other points. ..lb. .13¾- —
smaller lots, Ala., etc. ..lb. .14½- —
Ariz., etc. ..lb. .15 - —
Colo., Mont., N. M., Wyo..lb. .14¾- —
other points. ..lb. .14¾- —
Orange flowers, cs. ..lb. .46 - .48
Orange peel, Haitian, bls. ..lb. .13 - .15
sweet, bls. ..lb. .13½- .14
Oregano, Italian, bgs. ..lb. .27 - .27½
Mexican, curly leaf, bgs. ..lb. .10 - .10½
flat leaf, bgs. ..lb. .09¾- .10¼
Portuguese, bgs. ..lb. .24½- .25½
Orris root, Florentine, bls. ..lb. .40 - .41
Verona, bls. ..lb. .35 - .36
Portuguese, bls. ..lb. .35 - .36
Orthoamylphenol, dms., works..lb. .25 - —
Orthoanisidin, bbls. ..lb. .70 - —
Orthochloraniln, dms. ..lb. .60 - —
Orthochlorophenol, dms. ..lb. .25 - .27
Orthocresol,[2] 30.4° C., min., M.P., dms., c.l., works..lb. .17½- .18
l.c.l., works ..lb. .18 - .18½
29° C. min., M.P., dms., c.l., works..lb. .16½- .17
l.c.l., works ..lb. .17 - .17½

Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .07 - —
l.c.l., same basis. ..lb. .08 - —
tanks, same basis. ..lb. .06½- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthonitroaniln, dms. ..lb. .43 - .55
Orthonitrodiphenyl, tech., grade A., dms., c.l., works..lb. .10 - —
l.c.l., works. ..lb. .11 - —
grade B, dms., c.l., works..lb. .06 - —
l.c.l., works. ..lb. .07 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms. ..lb. .08 - —
Orthophenetidin, dms. ..lb. .82 - —
Orthotoluidin, dms. ..lb. .19 - —
Osage orange crystals, bbls. ..lb. .29 - —
extract, No. 1, bbls. ..lb. .14 - —
Ouabaine, USP, bots. ..gm. 3.60 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
small lots, works. ..lb. 3.75 - 4.15

P

Papain, powd., cs. ..lb. 5.25 - 5.50
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots. ..oz. 7.05 - 7.35
Sulphate, cns. ..oz. 7.10 - 7.25
Paprika, Calif., sweet Calicute, ground, bgs..lb. .40 - .41
Chilean, bgs. ..lb. .38 - .38½
Portuguese, bgs. ..lb. .38 - .41
Spanish, bgs. ..lb. .43 - .44
Para-anisidin, dms., works..lb. .40 - —
Parachlorophenol, dms., c.l., works, lb. .24 - —
l.c.l., same basis. ..lb. .25 - .27
Paracresol, bbls., works. ..lb. .41 - —
Paracymene, dms., c.l., works..lb. .1595- —
l.c.l., same basis. ..lb. .1645- —
tanks, same basis. ..lb. .1545- —
Paradichlorobenzene, dms., c.l., works..lb. .11 - .12
l.c.l., same basis. ..lb. .12½- .15
Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery..lb. .05¼- —
fully rf'd slabs, loose, 117-119 ASTM, c.l., refinery..lb. .05 - —
123-125 ASTM, refinery..lb. .0520- —
125-127 ASTM, refinery..lb. .0520- —
128-130 ASTM, refinery..lb. .0560- —
130-132 ASTM, refinery..lb. .0585- —
133-135 ASTM, refinery..lb. .0615- —
135-137 ASTM, refinery..lb. .0640- —
Prices in bags 4/10c. lb higher.
Paraformaldehyde, dms. 1,000 lbs. or more, works..lb. .21 - —
smaller lots, works. ..lb. .22 - —
Paraldehyde, tech., 98% 55 and 110-gal. dms., l.c.l., wks..lb. .12 - —
10-gal. dms., works. ..lb. .15 - —
USP, cbys., cns. ..lb. .35 - .45
Paranitroaniln, kgs., works..lb. .41 - .43
Parasitrochlorobenzene, kgs., wks. lb. .15 - —
Paranitrophenol, kgs. ..lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, tech., kgs. lb. 1.25 - —
Paratoluenesulphonamide, bbls..lb. .70 - —
Paratoluidin, bbls., works. ..lb. .48 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld..lb. .26 - —
l.c.l., same basis. ..lb. .27 - —
Passion flower herb, bls. ..lb. .30 - .32
Patchouli leaves, bls. ..lb. .38 - .40
Pectin, bbls. ..lb. 1.25 - —
Penicillin,[4,5] ampule, per 100,000 units. .48 - —
Pennyroyal leaves, bls. ..lb. .24 - .25
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol, CP, bbls. dlvd. lb. .75 - —
smaller containers. ..lb. 1.00 - —
tech., bbls., c.l. ..lb. .27 - —
l.c.l. ..lb. .31 - —
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3, gal. .11 - —
l.c.l., dms., Group 3, gal. .19 - —
laboratory grade, tanks, Group 3..gal. .07½- .07¾
10-gal. cns. dlvd. E. ..gal. .55 - —
dms., c.l., Group 3. ..gal. .16 - —
l.c.l., Group 3. ..gal. .29 - —
Pepper, black,[7] bgs. ..lb. .68 - .69
futures, bgs., nearby. ..lb. .56 - .57
distant ..lb. .45 - .46
Red, capsicum, Carolina longs, new crop, bgs., ship't point, lb. .53 - .54
sports, old crop, bgs. ..lb. No stocks
Louisiana, longs, new crop, bgs. shipment point..lb. No stocks
sports, bgs. ..lb. No stocks
Niger, bgs. ..lb. .47 - .48
Chillies, Haitian, bgs. ..lb. .56 - .57
Mexican, long ..lb. .50 - .51
White,[7] bgs. ..lb. .68 - .69
Peppermint, dom., USP, bls. ..lb. 1.20 - 1.25
imported, USP, bls. ..lb. 1.40 - 1.50
Perchloroethylene, dms. c.l., Zone 1, works, frt. alld. ..lb. .0772- .0800
Zone 2, same basis. ..lb. .0832- .0850
Zone 3, same basis. ..lb. .0882- .0900
Zone 4, same basis. ..lb. .0876- .0900
l.c.l., Zone 1, same basis. ..lb. .0832- .0850
Zone 2, same basis. ..lb. .0882- .0900
Zone 3, same basis ..lb. .0932- .0950
Zone 4, same basis. ..lb. .0926- .0950
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va. Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah Wash.
Peru balsam, dms. ..lb. 1.25 - 1.80
Petrolatum, tech., dark, bbls., c.l., Group 3. ..lb. .021 - —
golden topaz, bbls., c.l. ..lb. .032 - —
l.c.l. ..lb. .036 - —
red, veterinarian, bbls., c.l. ..lb. .024 - —
l.c.l. ..lb. .028 - —
USP, amber, non-ret. dms., c.l. lb. .04¼- —
l.c.l. ..lb. .05¼- —
extra amber, dms., c.l. ..lb. .04½- —
l.c.l. ..lb. .05½- —
cream, c.l., dms. ..lb. .05⅝- —
l.c.l. ..lb. .07¼- —
white, lily, dms., c.l. ..lb. .06⅛- —
l.c.l. ..lb. .08¼- —
snow, dms., c.l. ..lb. .06⅞- —
l.c.l. ..lb. .09 - —
soft, dms. c.l. ..lb. .06⅛- —
l.c.l. ..lb. .07⅝- —
yellow, soft, dms., c.l. ..lb. .03⅝- —
l.c.l. ..lb. .05⅝- —
Petroleum, crude, bulk, at wells, California, heavy grades. bbl. 1.28 - 1.98
Illinois ..bbl. 1.67 - —
Kentucky, Union County. bbl. 1.62 - 1.67
Louisiana-Arkansas ..bbl. 1.16 - 1.50
Oklahoma-Kansas ..bbl. 1.15 - 1.55
Pennsylvania, lowes field. bbl. 3.23 - 3.35
Upper field. ..bbl. 1.66 - 3.00



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1871 1946

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WHILE statistics show that the business life of the average firm is only seven years, there are actually hundreds of organizations in the United States that have long since passed the milestone which we in Fritzsche Brothers are now celebrating. It is not, therefore, as an achievement of uncommon distinction that we commemorate this Seventy-fifth Anniversary of our founding, but rather as one from which we derive personal — and perhaps pardonable — satisfaction and pride. For we have endeavored earnestly and honestly, throughout these seventy-five years, to conduct every phase of our business in a manner beneficial to our customers and creditable to ourselves. We have sought, at considerable expense, to go beyond recorded data and learn all we could about the raw materials and finished products of our trade. Having learned, we have spread this knowledge freely so that all concerned might truly benefit. We have tried, within the limits of our ability—and by good example—to lift prevailing standards toward a higher level. And for these contributions to an industry that serves more people in more varied ways each day of their lives than almost any other, we may well be proud.

Entering the field of essential oils in 1871 when crude methods of production and lack of scientific knowledge were serious handicaps to the industry's progress, the then small firm of Fritzsche Brothers assigned itself a role of service which it has adhered to assiduously throughout the years. In peace and in war, in good times and bad, it applied itself methodically and conscientiously to the problems of its customers and to the bigger problems of its industry. Today, no longer small and insecure, but standing solidly upon a foundation three-quarters of a century in the making, Fritzsche Brothers looks back upon a job well done and toward a future resplendent with promise.

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ESSENTIAL OILS • AROMATIC CHEMICALS • BASIC PERFUME AND FLAVOR RAW MATERIALS

Petroleum, crude, bulk, at wells, Texas East	bbl.	1.60	—
Gulf coast	bbl.	1.40	1.83
North, North-Central	bbl.	1.58	1.60
Panhandle	bbl.	1.08	1.50
West	bbl.	1.00	1.40
Wyoming	bbl.	1.15	1.55
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd. E.	gal.	.53	—
dms., c.l., Group 3	gal.	.16	—
l.c.l., same basis	gal.	.29	—
35°-60° C, 10-gal. cns., dlvd. E.	gal.	.55	—
dms., c.l., Group 3	gal.	.16	—
l.c.l., same basis	gal.	.29	—
40°-75° C., 10-gal. cns., dlvd. E.	gal.	.55	—
dms., c.l., Group 3	gal.	.16	—
l.c.l., same basis	gal.	.29	—
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 2	gal.	.04½	—
No. 3	gal.	.04¾	—
Bayonne, No. 2, tanks	gal.	.0630	.0640
California, heavy	bbl.	1.25	1.30
light	bbl.	1.35	1.40
diesel	gal.	.04¾	.05¼
Group 3, No. 1	gal.	.04¾	.04¾
No. 2, straw	gal.	.04½	.04¾
No. 3	gal.	.04	.04¼
Oklahoma, No. 1, p.w.	gal.	.04¾	.05¼
No. 1, straw	gal.	.04¾	—
No. 2, straw	gal.	.04½	.04¾
No. 3	gal.	.04	.04½
No. 6	bbl.	1.15	1.35
range	gal.	.04½	—
Pennsylvania, No. 1	gal.	.06¾	.07
No. 2	gal.	.06¼	.06¾
No. 3	gal.	.06¼	.06¾
36-40 gravity	gal.	.06¼	—
Petroleum, fuel oil, bunker C (No. 6), tanks, Albany, N. Y.	bbl.	1.92	—
Baltimore, Md.	bbl.	1.72	—
Boston, Mass.	bbl.	1.96½	—
Charleston, S. C.	bbl.	1.83	—
Jacksonville, Fla.	bbl.	1.63	1.83
New York, N. Y.	bbl.	1.92	2.02
Norfolk, Va.	bbl.	1.88	1.93
Philadelphia, Pa.	bbl.	1.92	2.02
Portland, Me.	bbl.	2.01	2.06
Providence, R. I.	bbl.	1.98	2.04
Savannah, Ga.	bbl.	1.88	—
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles	gal.	.12	—
Fort Wells, Wash.	gal.	.13	—
East Coast, N. J. N. Y., tanks, refinery	gal.	.12	—
Group 3, benzol type tanks	gal.	.08⅞	—
toluol type, tanks	gal.	.08¾	—
San Francisco	gal.	.11½	—
Willbridge, Ore.	gal.	.12	—
Mineral spirits, California, San Francisco, 168-252 b.r., tanks	gal.	.10¼	—
198-290 b.r., tanks	gal.	.11¼	—
246-397 b.r., tanks	gal.	.11½	—
312-408 b.r., tanks	gal.	.10	—
362-458 b.r., tanks	gal.	.10	—
East Coast, N. J., N. Y., tanks, refinery	gal.	.10½	—
Group 3, tanks, refinery	gal.	.07¼	—
Gulf coast, tanks	gal.	.07⅞	—
tankwagon, Baltimore	gal.	.15¼	—
Boston	gal.	.12½	—
Bridgeport, Conn.	gal.	.1680	—
Buffalo	gal.	.11	—
Camden, N. J.	gal.	.11	—
Chicago	gal.	.1460	—
Petroleum mineral spirits, tankwagon, Detroit	gal.	.1710	—
Hartford	gal.	.1680	—
Kansas City, Mo.	gal.	.1280	—
Lancaster, Pa.	gal.	.12½	—
Newark	gal.	.11½	—
New York	gal.	.11½	—
Philadelphia	gal.	.11½	—
Pittsburgh	gal.	.13	—
Providence	gal.	.13½	—
Rochester	gal.	.12	—
St. Louis	gal.	.1370	—
Syracuse	gal.	.1270	—
Washington, D. C.	gal.	.15½	—
Wilmington, Del.	gal.	.11½	—
Naphtha, cleaners, California, tanks, San Francisco	gal.	.13	—
East coast, N. J., N. Y., tanks, refinery	gal.	.11½	—
Group 3, tanks, refinery	gal.	.08½	—
tankwagon, Newark	gal.	.12½	—
Bridgeport	gal.	.18	—
Chicago	gal.	.14¼	—
Detroit	gal.	.15½	—
New York	gal.	.12	—
Philadelphia	gal.	.126	—
St. Louis	gal.	.1470	—
high-solvency, No. 8, tanks, Paulsboro, N. J.	gal.	.16	.22½
No. 30, tanks, same basis	gal.	.17	.22
No. 40, tanks, same basis	gal.	.17¼	.22
No. A-80, tanks, Carteret, N. J.	gal.	.21½	—
Chicago, Cincinnati, Detroit	gal.	.24	Nom.
No. B-90, tanks, all shipping points	gal.	.24½	—
No. F-80, tanks, Carteret, N. J.	gal.	.23	—
Petroleum naphtha, V.M.&P., at refinery, California, 46.5, 254 l.b.p., 380 e.p., tanks, El Segundo	gal.	.12	—
Richmond	gal.	.12½	—
Willbridge, Ore., Pt. Wells, Wash.	gal.	.13	—
64-77, 190 i.b.p., 310 e.p., Los Angeles	gal.	.11	—
San Francisco	gal.	.11½	—
Portland, Seattle	gal.	.12	—
Group 3, tanks	gal.	.08½	—
Gulf Coast (dlvd. New Orleans), tanks	gal.	.08⅝	—
tankwagon, Boston	gal.	.13½	—
Chicago	gal.	.1460	—
Detroit	gal.	.1710	—
Milwaukee	gal.	.15½	—
Minneapolis	gal.	.1540	—
Newark	gal.	.13	—
New York	gal.	.12½	—
Philadelphia	gal.	.13	—
Pittsburgh	gal.	.14	—
St. Louis	gal.	.1470	—
Solvent, rubber, at refinery, California, San Francisco	gal.	.26½	—
East Coast, N. J., N. Y., tanks	gal.	.11½	—
Group 3, tanks	gal.	.08½	—
Stoddard (CS 8-53), at refinery:— California (San Francisco). tanks	gal.	.12	—
East Coast, N. J., N. Y., tanks	gal.	.10½	—
Group 3, tanks	gal.	.07⅛	—
Pennsylvania, western, tanks	gal.	.07¼	.07½
tankwagon, Baltimore	gal.	.14	—
Boston	gal.	.12	—
Chicago	gal.	.14½	—
Detroit	gal.	.16½	—
Milwaukee	gal.	.15½	—
Minneapolis	gal.	.1540	—
Newark	gal.	.12	—
New York	gal.	.12	—
Philadelphia	gal.	.12	—
Pittsburgh	gal.	.13½	—
St. Louis	gal.	.14½	—
Syracuse	gal.	.15	—
Sulphonates, 65% sulphonic content, ret. dms., c.l., works	lb.	.09¾	—
l.c.l., works	lb.	.09¾	.10¾
tanks, works	lb.	.09¼	—
50% sulphonic content, ret. dms., c.l., works	lb.	.09⅝	—
l.c.l., works	lb.	.09¾	.10⅝
tanks, works	lb.	.09½	—
Phenobarbital, cns.	lb.	3.60	3.70
dms., 100 lbs.	lb.	3.50	—
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald.	lb.	.10¾	.11
l.c.l., same basis	lb.	.11½	.11⅝
tanks, same basis	lb.	.09¾	.10
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.10⅝	.11¼
l.c.l., same basis	lb.	.11½	.12
tanks, same basis	lb.	.09⅝	.10¼
USP, dms., c.l., same basis	lb.	.10½	.12½
l.c.l., same basis	lb.	.11¼	.13¼
tanks, same basis	lb.	.09½	.11½
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85	—
smaller lots	lb.	.87	.92
Yellow, fib. dms., 2,000 lbs.	lb.	.80	—
smaller lots	lb.	.82	.87
Phenothiazin, NF, fib. dms., ton lots or more, works	lb.	.49	—
smaller lots, works	lb.	.54	—
Phenylacetaldehyde, solution, 50%, bots.	lb.	2.35	2.50
pure, bots.	lb.	4.00	5.00
Phenylethyl acetate, dms.	lb.	1.65	3.00
Phenylethylphenyl, acetate, bots.	lb.	5.35	7.50
Phenylhydrazin, base, CP, bots.	lb.	4.55	—
Hydrochloride, CP, bots., works.	lb.	7.10	—
commercial, kgs., works	lb.	1.75	—
Phloroglucinol CP, fib. dms.	lb.	13.75	14.75
tech., fib. dms.	lb.	12.00	12.55
Phosgene, ton lots, works	lb.	.19	—
Phosphate, defluorinated (see under D).			
Phosphate rock [4] Fla., land pebble unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l.	long ton.	2.60	—
70%-68%, same basis	long ton.	3.00	—
72%-70%, b.p.l., same basis	long ton.	3.60	—
75%-74%, b.p.l., same basis	long ton.	4.60	—
77%-76%, b.p.l., same basis	long ton.	5.60	—
entirely pebble 50c. per ton higher than above prices.			
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum	short ton.	5.15	—
68%, b.p.l., basis 31% P_2O_5 minimum	short ton.	3.35	—
70%, b.p.l., basis 32% P_2O_5 minimum	short ton.	3.70	—
Tennessee, brown, unground, run-of-mine, 70-68% b.p.l., 5½% i. & a., same basis	long ton.	5.50	—
72%-70%, b.p.l., 5½% i. & a., same basis	long ton.	6.00	—
refinery ground, 29% P_2O_5, same basis	long ton.	5.15	—
30% P_2O_5, same basis	long ton.	5.35	—
31% P_2O_5, same basis	short ton.	5.45	—
32% P_2O_5, same basis	short ton.	5.70	—
33% P_2O_5, same basis	short ton.	6.20	—
Phosphorus, red amorphous, cs.	lb.	.40	.44
tins, export	lb.	.55	—
yellow, cns.	lb.	.23	.25
dms., c.l.	lb.	.14½	—
Oxychloride, dms., c.l.	lb.	.10½	—
l.c.l., dms.	lb.	.12½	.15
Pentoxide, dms., c.l., works	lb.	.11	.12
l.c.l., works	lb.	.13	.14
Sesquisulphide, cs.	lb.	.38	.42
Trichloride, dms., c.l.	lb.	.10¾	—
l.c.l.	lb.	.12½	.15
Phthalamide, bbls., works	lb.	.35	.40
kgs., works	lb.	.45	.50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver	lb.	.13	—
l.c.l., same basis	lb.	.14	—
Pichi leaves, bgs.	lb.	.07	.08
Picoline (see Alphapicoline and Betapicoline).			
Picrotoxin, bots.	oz.	8.00	—
Pilocarpine hydrochloride, USP, bots., vis.	oz.	5.25	6.50
Nitrate, bots., vis.	oz.	5.15	6.25
Pimento, Jamaica, bgs.	lb.	.24	.24½
Pinetar, retort, dms., incl. c.l. works, dlvd. E.	gal.	.31	.37¾
l.c.l., works, dms. incl.	gal.	.32	—
tanks, dlvd. E.	gal.	.27	.29
Pinkroot, bls.	lb.	1.00	1.05
Piperazine hexahydrate, bots.	lb.	16.00	17.00

A FACT YOU CAN'T OVERLOOK:

SKELLYSOLVE

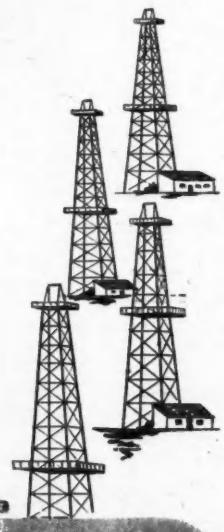
Still Serves You Best!

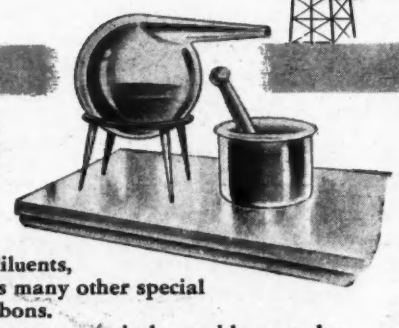
"Better than" or "just as good as" are two phrases being used today to describe solvents in competition with Skellysolve.

For your own protection, it is important that you remember why no solvent produced today *can* equal Skellysolve in quality, dependability, or uniformity.

First, Skelly Oil Company pioneered in the making of close cut type naphthas for various industries . . . and Skelly has continued to expand facilities to meet an ever-growing demand. Second, the high quality of Skellysolve is always maintained to meet the highest standards. Third, you can count on Skelly as a dependable, continued source of supply of Skellysolve . . . and you can depend on quick shipment.

That has been the Skelly policy for over 15 years . . . will continue to be in the years ahead.





HOW SKELLYSOLVE SERVES THE OIL, PAINT, AND DRUG FIELD

There is a Skellysolve naphtha especially suited to your particular requirements . . . one with special advantages for producing top quality paint, varnish, oilcloth, ink, linoleum, and other related products, plus naphthas specially fractionated for all laboratory uses.

Each of these is famed for low evaporation losses, close boiling ranges, purity and uniformity. For example, we supply a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons.

Whatever your particular problem may be, you can rely on the advice and guidance offered by skilled Skellysolve Technical Fieldmen whose job it is to help you employ proper Skellysolve for your operation. For full information on Skellysolve and Skellysolve service, write us today.

SKELLY

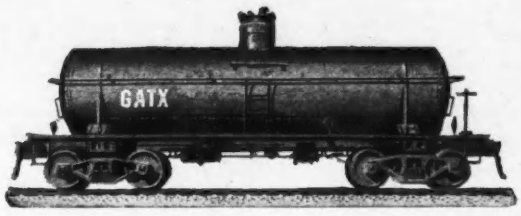
SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL COMPANY

SKELLY BLDG., KANSAS CITY, MISSOURI

FOR RENT

TANK CARS



Tank car transportation of liquids in bulk, pioneered by General American has proved its versatility, its efficiency, its economy.

The General American fleet comprises more than 37,000 specialized tank cars . . . 207 different types of tank cars . . . designed for the safe and swift hauling of an almost infinite variety of liquids.

General American's strategically located offices, plants, and repair shops keep these tank cars at your service; provide you with precisely the type of tank cars you want, *where* you want them.

If your problem is the transportation of liquids in bulk, let the nearest General American office help you.

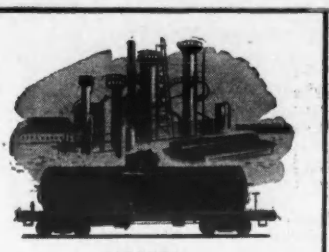
GENERAL AMERICAN TRANSPORTATION CORPORATION

GENERAL OFFICE: 135 South La Salle Street • Chicago 90, Illinois

DISTRICT OFFICES:

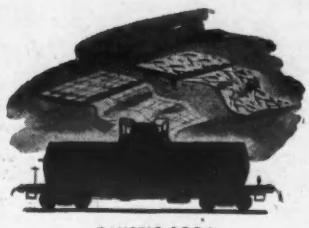
New York • St. Louis • Buffalo • Seattle • Los Angeles • Dallas • Houston
Tulsa • New Orleans • Cleveland • Pittsburgh

GENERAL AMERICAN TRANSPORTATION CORPORATION CHICAGO.



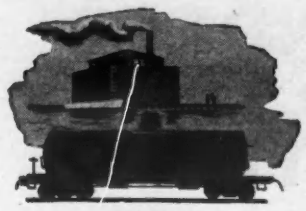
ALCOHOL

Clean, steel car, 6,000 to 10,000 gallon capacity.



CAUSTIC SODA

Heavily insulated steel car, with or without heater coils, 8,000 or 10,000 gallon capacity. Usually specially lined.

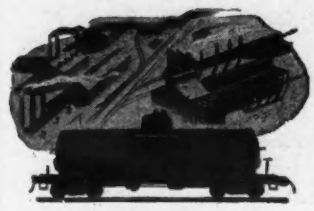


CHLORINE

Insulated, welded car; built to withstand pressure up to 500 pounds; 15 or 30 ton capacity.

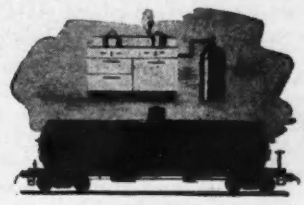
COTTONSEED OIL

Clean, steam coiled car of 8,000 gallon capacity.



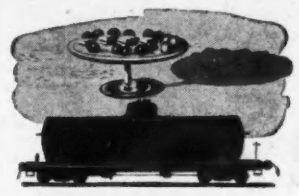
FUEL OIL

Steel car, steam coiled, 8,000 to 12,500 gallon capacity.



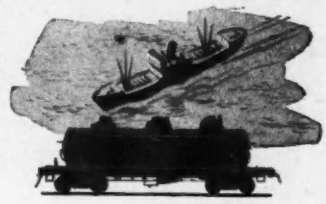
PROPANE

Heavily constructed car, welded and insulated. Built to withstand internal pressures to 300 pounds. Capacity 10,000 to 11,000 gallons.



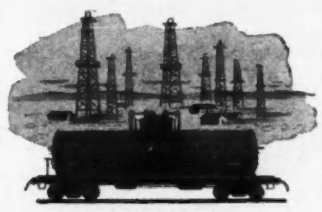
CORN SYRUP UNMIXED

Clean, steam coiled with heavy truck capacity. Usually lined with aluminum paint.



LUBRICATING OIL

Steel car, with steam coils, single or multiple compartment; usually 8,000 gallon capacity.

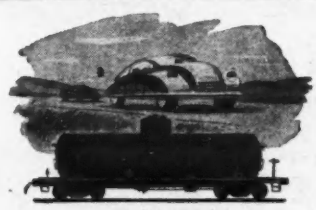


MURIATIC ACID

Car lined with pure or synthetic rubber; 8,000 to 10,000 gallon capacity.

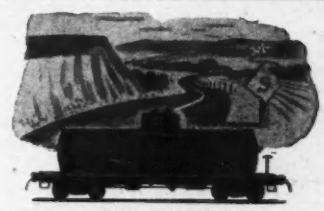
ACETIC ACID

Aluminum Car, 8,000 or 10,000 gallon capacity.



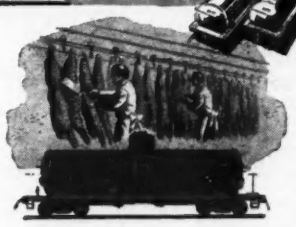
GASOLINE

Clean car, 6,000 to 12,500 gallons; single or multiple compartment.



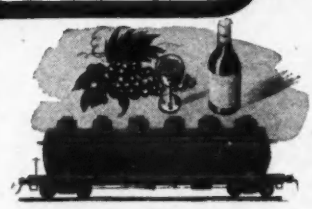
ASPHALT OR TAR

Heavily steam coiled car; with 2 or more inches of insulation; steam jacketed outlet; 8,000 to 10,000 gallon capacity.



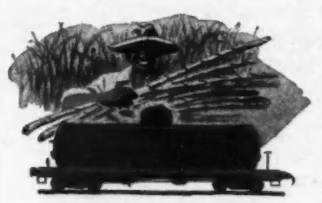
LARD

Clean steam coiled car, usually of 8,000 gallon capacity.



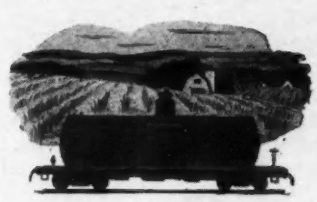
WINE

Insulated car with one to six compartments. Interior coated to preserve quality.



MOLASSES

Steam coiled car with heavy capacity trucks; 8,000 gallon capacity.



SULPHURIC ACID

Heavily constructed steel car with heavy truck capacity. Equipped to unload through dome.

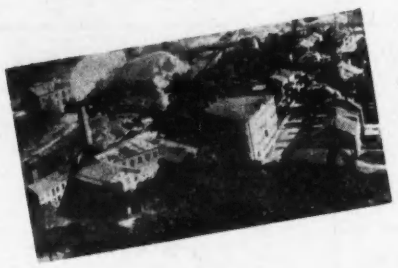
1816 – 1946

ONE HUNDRED AND THIRTY YEARS

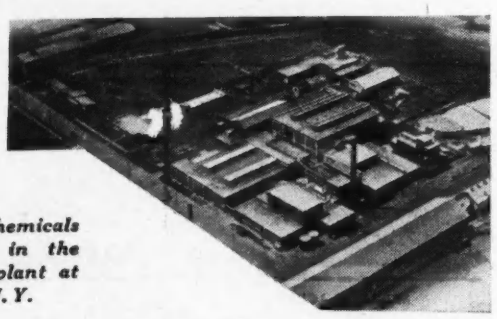
Of Specialized Service to Industry

James Madison, fourth president, was in the White House when, in 1816, this business began in a modest plant at Poughkeepsie, N. Y. From that small start it has grown to become a major supply source for Chemicals, Gums and Waxes used by American industry.

Today six branches are located at strategic points over the country; warehouse stocks are maintained at convenient locations and there are two producing plants — at Niagara Falls, N. Y. and Jersey City, N. J.



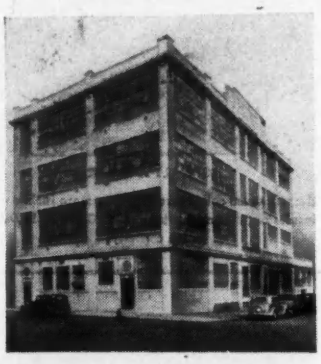
In the foreground is the original plant, with later additions, at Poughkeepsie, N.Y., started in 1816.



Many heavy chemicals are produced in the modern ISCO plant at Niagara Falls, N. Y.

When you specify ISCO you are sure of getting reliable

CHEMICALS GUMS WAXES



Today, gums and waxes are milled, refined or produced in this Jersey City, N. J. plant.

If you are a user of these or allied lines, it will pay you to keep in touch with our nearest office. The ISCO NEWS, published several times a year, will keep you posted on our complete lines and will bring you, from time to time, interesting articles about certain of our specialties. Write us to add your name to our mailing list.

ISCO

INNIS, SPEIDEN & CO.

117 LIBERTY STREET • NEW YORK 6

BOSTON CHICAGO CINCINNATI
CLEVELAND GLOVERSVILLE PHILADELPHIA

Pitch, burgundy (see B).		
Coaltar, 160° m.p., bbls., c.l., works	ton.	19.00 - —
l.c.l., works	ton.	22.00 - —
Cottonseed, dms., works	lb.	.04 - .06
Hardwood, paper bgs., works	lb.	.03½- —
Linseed, dms	lb.	.05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, dms	100 lbs.	6.50 - —
stands, 200 lbs	stand.	6.00 - —
Soybean, dms., works	lb.	.04 - .06
Plaster of paris (see Gypsum).		
Podophyllin, dms.	lb.	12.25 -12.50
Pokeroot, bls	lb.	.19 - .20
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld.	lb.	.32 - —
20,000 lbs., frt. alld	lb.	.33 - —
smaller lots, frt. alld	lb.	.34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.		
Pomegranate, root bark, bgs.	lb.	.75 - .76
Poppy flowers, bls	lb.	.60 - .70
Seed, Argentine, bgs, futures.	lb.	.21 - .21½
Danish, bgs.	lb.	.25 - .25½
Dutch	lb.	.26 - .26½
Indian, white, bgs	lb.	No stocks
Swedish, bgs.	lb.	.23 - .23½
Turkish, bgs.	lb.	.23 - .23½
Potash abietate	lb.	.08 - —
Acetate, USP, dms	lb.	.28 - —
Arsenite, USP, solut., cbys., djns.	lb.	.13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms.	lb.	.10 - .21
Bichromate,[1] bgs., c.l., works.	lb.	.10 - —
l.c.l., works	lb.	.10½- .10¾
Potash bichromate in bbls. ½c. higher.		
Borate, gran., bbls., N. Y. or Chi.	lb.	.1015- —
Bromide, USP, gran., 500-lb. bbls., dms.	lb.	.25 - —
100-lb. kgs	lb.	.26 - —
Carbonate, calcined, bbls., c.l., works.	lb.	.06½- —
l.c.l., same basis	lb.	.06¾- —
hydrated, 83-85%, bbls., c.l., works.	lb.	.05½- —
dms., l.c.l., same basis	lb.	.05¾- —
USP, gran., bbls., dms.	lb.	.14 - .20
powd., bbls., dms.	lb.	.19 - .21
Caustic, low-chloride, 90% basis flake, dms., c.l., works.	100 lbs.	9.31 - —
l.c.l., works	100 lbs.	9.68½- —
liquid, dms., c.l., works	100 lbs.	8.56 - —
l.c.l., works	100 lbs.	8.68½- —
tanks, works	100 lbs.	8.06 - —
solid	100 lbs.	8.56 - —
l.c.l., works	100 lbs.	8.93½- —
regular, flake, 88-92%, dms., c.l., works.	lb.	.07 - —
l.c.l., works	lb.	.07¼- .07½
liquid, 45% basis, dms., c.l., works, frt. alld.	lb.	.03¼- —
l.c.l., same basis	lb.	.03½- .03¾
tanks, same basis	lb.	.02⅞- —
solid, 88-92%, dms., c.l., works.	lb.	.06¼- —
l.c.l.	lb.	.06½- .06¾
Chromate, bgs	lb.	.24 - .28
Chlorate,[1] cryst., kgs., c.l., works.	lb.	.11 - .11¾
l.c.l., works	lb.	.119 - .130
powd., dms., kgs., c.l. works.	lb.	.09¾- —
l.c.l., works	lb.	.119 - .130
export, 1 to 10 tons, kgs., ex whse.	lb.	.16 - .18
Chloride, tech., cryst., 98% bgs., kgs.	lb.	.08 Nom.
Citrate, USP, gran., bbls., dms.	lbs.	.38½- .38½
powd. 3c. per lb. higher.		
Cyanide, dms., works	lb.	.55 - —
Fluoride, bbls	lb.	.34 - .40
Glycerophosphate, 75% solution, cns. cbys.	lb.	1.65 - 1.67
dms., 1,000-lb. lots	lb.	1.50 - —
100-lb. lots	lb.	1.60 - —
Gualacosulphonate, NF, dms.	lb.	1.65 - 1.75
Hydroxide, USP, sticks, dms.	lb.	.34 - .36
Hypophosphite, cns	lb.	.72 - .75
Iodate, bots., 5 lbs	lb.	3.40 - —
cns., 25 lbs	lb.	3.35 - —
Iodide, bots., cns	lb.	1.44 - 1.48
dms.	lb.	1.35 - 1.38
Manure salt, 22% K_2O Carlsbad, N. M., unit-ton.		.20 - —
25% K_2O, same basis unit-ton.		.21 - —
Metabisulphite, gran., bbls.	lb.	.19 - .21
powd., bbls.	lb.	.25 - —
Muriate,[6] dom., 60-62-63% K_2O, bulk, ex vessel ports	unit-ton.	.56½- —
granular, 50-52% K_2O ex vessel U. S. ports	unit-ton.	.53½- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M. are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.		
Nitrate (see Saltpeter).		
Oxalate, neutral, pure, gran., bbls., dms.	lb.	.37 - .50
tech. fine gran., bbls., dms.	lb.	.28 - .31
Perchlorate, kgs., works	lb.	.09¾- .11
Permanganate, tech. dms., works.	lb.	.19¾- .20¼
USP, dms., works	lb.	.20½- .21
Persulphate, dms., c.l. works.	lb.	.16 - —
l.c.l., same basis	lb.	.20 - —
Prussiate, red, kgs	lb.	.50 - .58
Yellow, bbls	lb.	.16 - .17
Ricinoleate, tech., bbls	lb.	.18 - —
Silicate, glass, bgs., c.l. works.	ton.	200.00 - —
l.c.l.	100 lbs.	15.25 - —
solution, 29° Be, ret. drums, c.l., works.	100 lbs.	4.25 - —
l.c.l., 5 or more, works	100 lbs.	5.00 - —
1-4, works	100 lbs.	5.50 - —
32° Be, ret. dms., c.l., works.	100 lbs.	4.75 - —
l.c.l., 5 or more works,	100 lbs.	5.50 - —
1-4, works	100 lbs.	6.00 - —
40.5° Be, ret. dms., c.l., works.	100 lbs.	5.75 - —
l.c.l., 5 or more, works,	100 lbs.	6.50 - —
1-4, works	100 lbs.	7.00 - —
Sulphate,[6] NF, gran	lb.	.14 - .20
powd., bbls	lb.	.15 - .21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min. 90% ex vessel Atlantic or Gulf ports.	ton.	36.25 - —
West coast potash ports, same basis.	ton.	39.25 - —
Sulphocyanide, cryst., N.F., dms.	lb.	.62 - .70
Triocyanate (see Potash sulphocyanide)		
Xanthate, dms., c.l.	lb.	.12 - —
Potash-gold cyanide, 41% gold, bots., works.	oz.	14.20 -14.95
Potash-magnesia sulphate,[6] bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports	ton.	26.00 - —
Potash-soda ferricyanide, kgs., works.	lb.	.40 - .43
Potash-titanium oxalate, bbls., dms.	lb.	.45 - .50
Prickly ash bark, bls	lb.	.40 - .45
Berries, bgs.	lb.	.20 - .21
Prince's pine herb, bls	lb.	.50 - .65
Procaine hydrochloride, cns., 100-lb. lots.	lb.	3.75 - —
smaller lots	lb.	4.00 - —
Propane,[1] industrial grade, tanks, Group 3.	gal.	.03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E.	lb.	.15½- —
l.c.l., same basis	lb.	.16½- —
tanks, same basis	lb.	.14½- —
Psyllium seed (see Fleaseed).		
Pulsatilla, bls.	lb.	.60 - .65
Pumice, grd., fine, bgs., ton lots.	lb.	.03¾- —
smaller lots	lb.	.03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots.	lb.	.03¾- —
smaller lots	lb.	.03¾- .04¼
Chi., ton lots	lb.	.04¼- —
Pumice in bbls. is ½c. per lb. higher.		
Pumpkin seed, bgs	lb.	.27 - .28
Purple lake (see Red).		
Putty, com'l dms	100 lbs.	3.15 - —
linseed oil, raw, dms	100 lbs.	5.00 - —
refined, dms	100 lbs.	5.50 - —
standard, dms	100 lbs.	4.20 - —
Pyrethrum,[1] concentrate, dewaxed, 20% for aerosol bombs, dms., works.	lb.	9.25 - 9.80
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works.	gal.	6.05 - —
odorless base, dms., works.	gal.	6.75 - —
(30 to 1), base 3 grams pyrethrins, per 100 cc., bbls., works.	gal.	10.00 - —
Pyrethrum, flowers, fine-grd., 0.9% pyrethrins, bbls., works.	lb.	.33¾- —
powder, 0.5% pyrethrins, bbls., works.	lb.	.25 - —
Pyridin, denaturing, ret. dms., works, frt. equald.	gal.	1.55 - 1.60
refd., 2°, ret. dms., same basis.	lb.	.45 - .45½
Pyrites, Spanish, c.i.f. Atl. ports.	long ton.	8.00 -10.00
Pyrocatechin (see Catechol).		
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines.	ton.	10.00 -11.50
325 mesh, same basis	ton.	13.00 -13.90
No. 3, 200 mesh, c.l., mines.	ton.	9.50 - —
325 mesh, same basis	ton.	11.50 - —
Pyrophyllite in paper bgs., $1.50 per ton extra.		
Pyroxylin, scrap, opaque, amber, cs., works.	lb.	.17 - —
black, cs., works	lb.	.17 - —
gray, cs., works	lb.	.17 - —
mixed mottled, cs., wks.	lb.	.14 - —
white, China, ivory, cs., wks.	lb.	.17 - —
dense, cs., works	lb.	.17 - —
translucent, pastels, cs., works.	lb.	.17 - —
transparent, cs., works	lb.	.19 - —
colors, cs., works	lb.	.17 - —
shavings, amber, cs., works,	lb.	.17 - —
mixed colors, cs., works.	lb.	.14 - —
white, cs., works	lb.	.17 - —

Q

Quassia chips, bls	lb.	.08 - .09
Quebracho extract[1], solid, 63% tannin, bgs., c.l., ex dock, in bond.	lb.	.063125- .06525
clarified, 64% tannin, bgs., c.l., same basis.	lb.	.068125- .070625
dissolved, 35% tannin, bbls., works.	lb.	.04575- .0595
tanks, works	lb.	.04075- —
ground, 70% tannin, bgs., c.l.	lb.	.089 - —
l.c.l.	lb.	.0915- —
Quebracho extract prices based on $12 freight and $1 insurance per long ton.		
Queen of the meadow root, bgs.	lb.	.12 - .13
Quercitron, crystals, bbls	lb.	.32 - —
extract, bbls., No. 1	lb.	.13 - —
solid, bxs.	lb.	.23 - —
Quicksilver, flasks (76 lbs. net)	flask.	95.00 -96.00
Quince seed, bgs	lb.	1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.	oz.	No stocks
powd., precip., cns.	oz.	No stocks
Sulphate, USP, cns.	oz.	No stocks
Quinine,[6] NF, cns., 100 ozs.	oz.	No stocks
Acetate, cns., 100 ozs.	oz.	No stocks
Arsenate, cns., 100 ozs.	oz.	No stocks
Arsenite, cns., 100 ozs.	oz.	No stocks
Bisulphate, USP, cns., 100 ozs.	oz.	No stocks
Dihydrobromide, bots., 50 ozs.,	oz.	No stocks
Citrate, cns., 100 ozs.	oz.	No stocks
Ethylcarbonate, USP, cns., 100 ozs.	oz.	No stocks
Ferrocyanide, cns., 100 ozs.	oz.	No stocks
Quinine Formate, cns., 100 ozs.	oz.	No stocks
Glycerophosphate, cns., 100 ozs.	oz	No stocks
Hydrochloride, USP, cns., 100 ozs.	oz.	.89½- —
Hydrochlorosulphate, cns., 100 ozs.	oz.	No stocks
Hydroiodide, cns., 100 ozs.	oz.	No stocks
Hypophosphite, cns., 100 ozs.	oz.	No stocks
Phosphate, NF, cns., 100 ozs.	oz.	No stocks
Salicylate, NF, cns., 100 ozs.	oz.	No stocks
Sulphate, USP, cns., 100 ozs.	oz.	.80½- —
Sulphocarbolate, cns., 100 ozs.	oz.	No stocks
Tannate, USP X, cns., 100 ozs.	oz.	No stocks
Tartrate, cns., 100 ozs.	oz.	No stocks
Valerate, NF IV, 100 ozs.	oz.	No stocks
Quinine-urea hydrochloride,[6] USP,	cns.	oz. No stocks
Quinoline, dms., c.l., works.	lb.	.24½- .50

R

R salt, dry, bbls	lb.	.65 - —
paste, dms.	lb.	.52 - —
Raspberries, dried, bls	lb.	1.75 - 1.80
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.	lb.	1.10 - 1.90

Red, cadmium lithopone, deep shade, bbls., E. of Rockies	lb.	1.05 - 1.30
light shade, bbls., same basis	lb.	.90 - 1.15
maroon, bbls., same basis	lb.	1.15 - 1.25
medium shade, bbls., same basis	lb.	1.00 - 1.10
medium-light shade, bbls., same basis	lb.	.95 - 1.05
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.		
Selenide, dark, bbls., works	lb.	No prices
light, same basis	lb.	No prices
Orange (see Orange).		
Carmine, No. 40, dms., bulk, works	lb.	5.50 - —
smaller lots, same basis	lb.	6.10 - —
Crocus Martis (see Red, purple oxide).		
Dyes (see Dyes, coaltar).		
Eosin toner, bbls., works	lb.	1.35 - —
Firetoner, dom., bbls., works	lb.	.85 - —
Indian, dom., pure, bls., Bethlehem Easton, E. St. Louis, N. Y.	lb.	.09¼- —
80-85%, bbls., same basis	lb.	.09¾- —
imp., English, all shades	lb.	.12 - —
Iron oxide, pure, bbls.	lb.	.09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; and E. St. Louis	lb.	.06¾- —
80% copperas oxide, bbls., same basis	lb.	.085 - .094
Lacquer, maroon, bbls., works	lb.	1.25 - —
Lake C toner, alizarin, bbls., works	lb.	.90 - —
Lithol toner, alizarin, lake, bbls., works	lb.	.60 - —
Pink, bbls., works	lb.	.20 - .25
Rose lake, bbls., works	lb.	.25 - .28
Lithol-rubin toner, alizarin lake, bbls., works	lb.	1.10 - —
Maroon, alizarin lake 25% kgs., works	lb.	.40 - —
Cadmium, bbls., works	lb.	1.10 - —
deep, bbls., same basis	lb.	1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.		
Mercury oxide, tech., bbls., 10,000 lbs., works	lb.	2.60 - —
smaller lots, works	lb.	2.62 - —
Metallic, bbls., works	lb.	.02 - —
Oxide (see Red, iron oxide).		
Para toner, concent., alizarin lake, kgs., works	lb.	.70 - —
Persian (see Orange).		
Phloxin toner (see Red, eosin toner).		
Phosphotungstic, rhodamine, Y, kgs., works	lb.	4.15 - —
Purple lake, kgs.	lb.	1.00 - —
Scarlet ink toner, kgs., works	lb.	.55 Nom.
Spanish oxide, grade 1, c.l., bbls.	lb.	.04¾- .07¾
Toluidin toner, alizarin lake, kgs., works	lb.	1.05 - —
MNPT maroon toner, kgs., works	lb.	3.25 - —
Turkey, bbls., works	lb.	.14½- —
Tuscan, bbls., E. St. L.	lb.	.11 - —
Venetian, 5%, bbls., wks.	lb.	.0220- —
10%, bbls., works	lb.	.0245- —
15%, bbls., works	lb.	.0°65- —
20%, bbls., works	lb.	.0275- —
25%, bbls., works	lb.	.03 - —
30%, bbls., works	lb.	.0325- —
35%, bbls., works	lb.	.0360- —
40%, bbls., works	lb.	.04 - —
Vermilion, Amer., bbls.	lb.	.25 - .40
Quicksilver, bbls.	lb.	2.50 - 2.65
Red precipitate, NF, powd., fib. dms.	lb.	2.77 - 2.79
Red saunders wood grd., bbls.	lb.	.35 - —
Resorcinol, tech., dms., works	lb.	.64 - .74
USP cryst., dms., frt. alld.	lb.	1.60 - —
Rhatany root, bgs.	lb.	.14 - .16
Rhubarb, whole, cs.	lb.	1.55 - 1.60
powd., bbls.	lb.	1.65 - 1.70
Riboflavin, bots.	kilo.	200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option.	lb.	.79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs., 1 ship't.	lb.	.38½- —
smaller lots	lb.	.39 - 42
Rose flowers, pale, bls.	lb.	.33 - .34
Rosemary flowers, bls.	lb.	1.55 - 1.65
Leaves, Portuguese, bls.	lb.	.08½- .09
Spanish, bls.	lb.	12½- .13
Rosin, gum—		
B, dms., c.l.	100 lbs.	No prices
D, dms., c.l.	100 lbs.	No prices
E, dms., c.l.	100 lbs.	No prices
F, dms., c.l.	100 lbs.	No prices
G, dms., c.l.	100 lbs.	No prices
H, dms., c.l.	100 lbs.	No prices
I, dms., c.l.	100 lbs.	No prices
K, dms., c.l.	100 lbs.	No prices
M, dms., c.l.	100 lbs.	No prices
N, dms., c.l.	100 lbs.	No prices
WG, dms., c.l.	100 lbs.	No prices
WW, dms., c.l.	100 lbs.	No prices
X, dms., c.l.	100 lbs.	No prices
Wood, B (resin), dms., c.l., works	100 lbs.	4.60 - —
FF, dms., c.l., works	100 lbs.	5.50 - —
G, H, I, dms., c.l., works	100 lbs.	5.95 - —
K, dms., c.l., works	100 lbs.	6.00 - —
M, dms., c.l., works	100 lbs.	6.05 - —
N, dms., c.l., works	100 lbs.	6.15 - —
WG, dms., c.l., works	100 lbs.	6.25 - —
WW, X, dms., c.l., works	100 dms.	6.40 - —
Rotenone,[1] bbls., works	lb.	12.05 - 14.50
extract, liq., dms., works	per unit.	1.15 - —
powder (see Cube root).		
Rottenstone,[1] bgs., c.l., mines	ton.	25.50 - —
c.l., mines	ton.	37.50 - —
Rue, bls.	lb.	.45 - .46

S

Sabadilla seed, powd., bbls.	lb.	.55 - .70
activated, ground with lime, bbls.	lb.	.85 - .70
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up	lb.	1.30 - 1.35
smaller lots	lb.	1.40 - 1.60
Saffron, Mexican, bls.	lb.	1.60 - 1.65
Spanish, USP, tins	lb.	35.00 -39.00
Safrol, cns.	lb.	1.10 - 1.15
Sage, leucophylla, bgs., Pacific coast	lb.	.82 - .83
Cyprus, good, bls.	lb.	.18½- .19
futures	lb.	.17 - .17½
Dalmatian, bls. futures	lb.	.30½- .31
Greek, bls.	lb.	.29 - .29½
Palestine, bls.	lb.	.16 - .16½
Spanish, bls.	lb.	.14 - .14½
Washington, Dalmatian-type, bls.	lb.	.40 - .41
Sago flour, bgs.	lb.	.14 - —
Salicin, bots., 5 lbs.	lb.	No stocks
cns., 25 lbs.	lb.	No stocks
Saligenin, dms., works	lb.	15.00 -20.00
Salol, gran., bbls., kgs.	lb.	.90 - —
fib. dms.	lb.	.92 - .93
Powdered salol, 10c. higher.		

Salt, rock, bgs., c.l.	ton.	14.20 - —
l.c.l., bgs.	ton.	17.20 -18.00
vacuum, common, fine, bgs., c.l.	ton.	15.70 - —
l.c.l.	ton.	19.00 -23.25
Saltcake, com., bulk, works	ton.	15.00 - —
Chrome (see Chrome cake).		
Saltpeter, dbl. ref., gran., bbls., 10 ton lots	100 lbs.	8.20 - —
smaller lots	100 lbs.	8.35 - 9.00
powd., bbls. 10-20 ton lots	100 lbs.	9.20 - —
smaller lots	100 lbs.	9.35 - 9.60
Sanguinarine nitrate, bots.	oz.	3.75 - —
Santonin, cryst., powd., cns.	kilo.	170.00 -185.00
Saponin, No. 1, cns.	lb.	1.75 - 1.90
No. 2, cns.	lb.	1.40 - —
Sarsaparilla root, dom., bls.	lb.	.45 - .50
Honduras, bls.	lb.	.45 - .47
Mexican, bls.	lb.	.45 - .47
Sassafras bark, ord., bls.	lb.	.45 - .50
select, bls.	lb.	.70 - .75
Savory, Calif., bls.	lb.	.75 - .76
Spanish, bls.	lb.	.22 - .22½
Saw palmetto berries, bgs.	lb.	.20 - .21
Scammony resin, lump, cns.	lb.	1.30 - —
powd., cns.	lb.	1.35 - —
Root, bgs.	lb.	.10 - .13½
Schaeffer's salt, bgs.	lb.	.46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment	lb.	.30¾- —
smaller lots	lb.	.31¼- —
kegs, 5,000 lbs., 1 shipm't.	lb.	.31½- —
smaller lots	lb.	.31¾- —
Selenium, pwd., cns., 10 lb. lots	lb.	1.85 - —
cs., 1,000 lb. lots	lb.	1.75 - —
Senega root, bls.	lb.	1.80 - 2.00
Senna, Alex., half-leaf, bls.	lb.	.27 - .28
siftings, bgs	lb.	.24 - .25
Tinnevelly, No. 1, bls.	lb.	.24 - .27
2, bls.	lb.	.22 - .27
3, bls.	lb.	.20 - .24
powd., bbls., bgs.	lb.	.24 - .29
Pods, bls.	lb.	.14 - .21

Serpentaria root, bls.	lb.	2.75 - 2.80
Shellac, bleached, bonedry, bbls., 4,500-lb. lots	lb.	.69½- .70
Boston	lb.	.70½- .71
Chicago	lb.	.71 - 71½
Pacific coast	lb.	.73 - .73½
refined, bbls., 1,500-lb. lot.	lb.	.78 - .78½
Boston	lb.	.79 - .79½
Chicago	lb.	.79½- .80
Pacific coast	lb.	.81½- .82
Bonedry shellac sales of less than 1,500 lbs., at following additions to prices: (1) packed in bgs., ¾c., per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.		
Superfine, 100 bgs., Boston, N. Y.	lb.	.76 - —
Chicago	lb.	.76½- —
Pacific coast	lb.	.79 - —
TN, 100 bgs., Boston, N. Y.	lb.	.71 - —
Chicago	lb.	.71½- —
Pacific coast	lb.	.74 - —
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more		
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works	ton.	17.00 - —
l.c.l., works	ton.	20.00 - —
400 mesh, bgs., c.l., works	ton.	18.00 - —
l.c.l., works	ton.	19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works	ton.	18.00 - —
400 mesh, bgs., c.l., works	ton.	30.00 - —
l.c.l., works	ton.	35.00 -38.00
96%-98%, 325 mesh, bgs., c.l., works	ton.	20.00 - —
l.c.l., works	ton.	21.50 -23.00
99%, 325 mesh, bgs., c.l., works	ton.	20.00 - —
l.c.l., works	ton.	22.00 -25.00

Silica, hard-quartz, 99½%, 325 mesh, bgs., c.l., works	ton.	15.50 - —
l.c.l., works	ton.	18.50 - —
140 mesh, bgs., c.l., works	ton.	11.00 - —
l.c.l., works	ton.	16.00 - —
Silicon tetrachloride, tech., dms., c.l., works	lb.	.15½- —
l.c.l., works	lb.	.18½- .27
Silver bullion	oz.	.90½- .91
Cyanide, cns., 100 ozs.	oz.	.7486- —
Nitrate, bots., cns., 2,500-oz. lots	oz.	.58¼- —
1,000-oz. lots	oz.	.58½- —
500-oz. lots	oz.	.58¾- —
single ounces	oz.	.59 - —
Neucleinate, USP, bots., dms., 1,000-oz. lots	oz.	.36 Nom.
Proteinate, USP, bots., dms., 1,000-oz. lots	oz.	.288 Nom.
Simarubra bark, bls.	lb.	.87 - .88
Skullcap, Eastern, bls.	lb.	.60 - .65
Western, bls.	lb.	.50 - .55
Skunk cabbage root, bls.	lb.	.45 - .50
Slate flour, bgs., c.l., works	ton.	11.00 -12.00
l.c.l., works	ton.	12.00 -13.00
Sloe berries, bgs.	lb.	.40 - .41
Smalt, black, ctns.	lb.	.05 - .06
Blue, ctns.	lb.	.07 - .08½
Snakeroot, Canada, bls.	lb.	.65 - .70
Soapbark, bls.	lb.	.28 - .29
crushed, bls., bbls.	lb.	.33 - .34
cut., dom., bls., bbls.	lb.	.33 - .34
imp., bbls.	lb.	No stocks
powd., bbls.	lb.	.31 - .32
Soda acetate, anhyd., dms., dlvd.	lb.	.08½- .10
NF, cryst., bbls., kgs.	lb.	.14 - .16
tech., 60%, l.c.l., dlvd.	lb.	.05½- .06
Alginate, refined, water-soluble, bbls., works	lb.	.79 - —
semi-refined, bbls., works	lb.	.42 - —
white, powd., dms.	lb.	1.50 - 1.60

Mathieson SODIUM CHLORITE
Mathieson LIQUID CHLORINE
Mathies BICARBONATE
ieson ONIC GAS
Mathieson SODA ASH
Mathieson DRY ICE
Mathieson CHLORINE DIOXIDE
Mathieson AMMONIA
Mathies CHROMOTEX
ieson LO-BAX
Mathi NEUTROTONE
Mathieson SANITATION HTH
athies PH-PLUS
ieson MAFOS
Mathies HTH BLEAC
Mathieson SODIUM METHYLATE
thies PURITE
ieson HTH-15
Mathieso CAUSTIC SODA

it's that kind of a name

It's one thing to make a name. What counts more is living up to that name over and over again — year after year — so that eventually people say "That's a name you can count on."

Mathieson is that kind of a name. For over 50 years, in peace and war, in good times and bad, Mathieson has been well known for producing and delivering the highest quality chemicals according to the best traditions of American business.

Each Mathieson chemical is outstanding in its own field. Each carries an important guarantee on its label — the guarantee inherent in the name of its maker. We repeat, Mathieson is that kind of a name.

THE MATHIESON ALKALI WORKS (INC.)
60 East 42nd Street, New York 17, N. Y.

Caustic Soda • Soda Ash • Bicarbonate of Soda
Liquid Chlorine • Chlorine Dioxide • Ammonia,
Anhydrous & Aqua • HTH Products • Fused
Alkali Products • Synthetic Salt Cake • Dry Ice
Carbonic Gas • Sodium Chlorite Products
Sodium Methylate

Soda alkylbenzene sulphonate, dms., works..lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd....lb. .16 - .16½
Arsenate, dms., dealers, c.l., works..lb. .09½- —
l.c.l., works.....lb. .10¾- .11¼
Arsenite, grey, dms., dealers, c.l., wks.....lb. .08¼- —
l.c.l., works.....lb. .09 - .10

Soda arsenite, gray ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works, zone 1, 100 lbs. 1.35 - —
l.c.l., zone 1.....100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l. 100 lbs. 1.18 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —

Soda ash, extra light, 58%, bbls., c.l., works..100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
bulk, c.l.....100 lbs. .90 - —
4 .....100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.15
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.86 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso; (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Soda benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .52

Soda, bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works.. 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.46 - —
Bichromate,[1] bgs., c.l., works.. lb. .07¾- —
l.c.l., works.....lb. .07¾- .08¼
Soda bichromate, in bbls., ½c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
36° bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber dms., 100 lbs., works, lb. .26 - —
Cacodylate, bots., dms.....lb. 8.50 -10.50
Carbonate (see Soda ash, Soda monohydrate Soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd.100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.05
3, dlvd.....100 lbs. 3.95 - 5.30
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyer's tanks, works, dry basis..100 lbs. 1.92½- —
sellers, tanks works, dry basis..100 lbs. 1.95 - —

Soda caustic, liquid, 70%, buyers' tanks, works, dry basis. 100 lbs. 1.97½- —
seller's tanks, works, dry basis..100 lbs. 2.00 - —
solid, 76%, dms., c.l., works. 100 lbs. 2.30 - —
l.c.l., zone 1, dlvd..100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
4, dlvd.....100 lbs. 3.95 - —

Caustic soda zones are same as soda ash.

Chlorate, cryst., bgs., c.l., works lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .07 - .08½
Chloride (see Salt).
Chromate,[1] bbls., cks., c.l., works, frt. equald..lb. .09½- —
l.c.l., works, frt. equald..lb. .09½- .09¾

Soda chromate in bgs. is ½c. less.

Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .22¼
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½
Cyanide, 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09½- .10½
anhydrous, dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¾- —
l.c.l. works.....lb. .08¾- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Formate, bgs., c.l., works..lb. .0635- —
l.c.l., works.....lb. .0680- —
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, crys., bbls., 100 lbs..lb. 1.25 - —
dms. .....lb. 1.40 - —

powder, 5c. higher.

solution, 50%, cbys., cns...lb. .82 - .90
Hydrosulphite, dms., c.l., frt. alld..lb. .16½- —
l.c.l., frt. alld.....lb. .18 - —
Hydroxide, USP, sticks, dms.lb. .67 - .70
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, cryst., bgs., c.l., works, frt equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works.. 100 lbs. 2.50 - —

Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.

USP, cryst., bbls.....lb. .10 - .12
Iodate, dms., jars.....lb. 5.40 - 5.45
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metaborate, gran., bbls., c.l., dlvd..lb. .0455- —
l.c.l., N. Y. or Chi....lb. .051 - —
bgs., c.l., dlvd.....lb. .0435- —
l.c.l., N. Y. or Chi....lb. .046 - —
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald.100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.30
gran., bbls. c.l., works, frt. equald..100 lbs. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works.....lb. .45 - .60
Molybdate,[1] anhyd., kgs., works. lb. .47 - —
crystals, bgs., works.....lb. .60 - —
Monohydrate, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, c.l., works.....ton.27.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse..ton.38.50 - —
bulk, same basis.....ton.35.50 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
west coast. ports..100 lbs. 8.00 - 8.05
l.c.l., dlvd.....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.50 - —
l.c.l., same basis...100 lbs. 5.45 - 5.80
flake, dms., c.l., works.100 lbs. 3.10 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Panthothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald. lb. .19 - —
Perborate, NF, bbls., c.l., works. lb. .14¾- —
l.c.l., works.....lb. .15½- —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works..100 lbs. 6.00 - 6.26
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP XII, dried, bbls., dms., works..lb. 1.50 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 -8.25
l.c.l., works.....100 lbs. 7.65 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.100 lbs. 6.00 - 6.95
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works... 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l. works....100 lbs. 3.80 - —

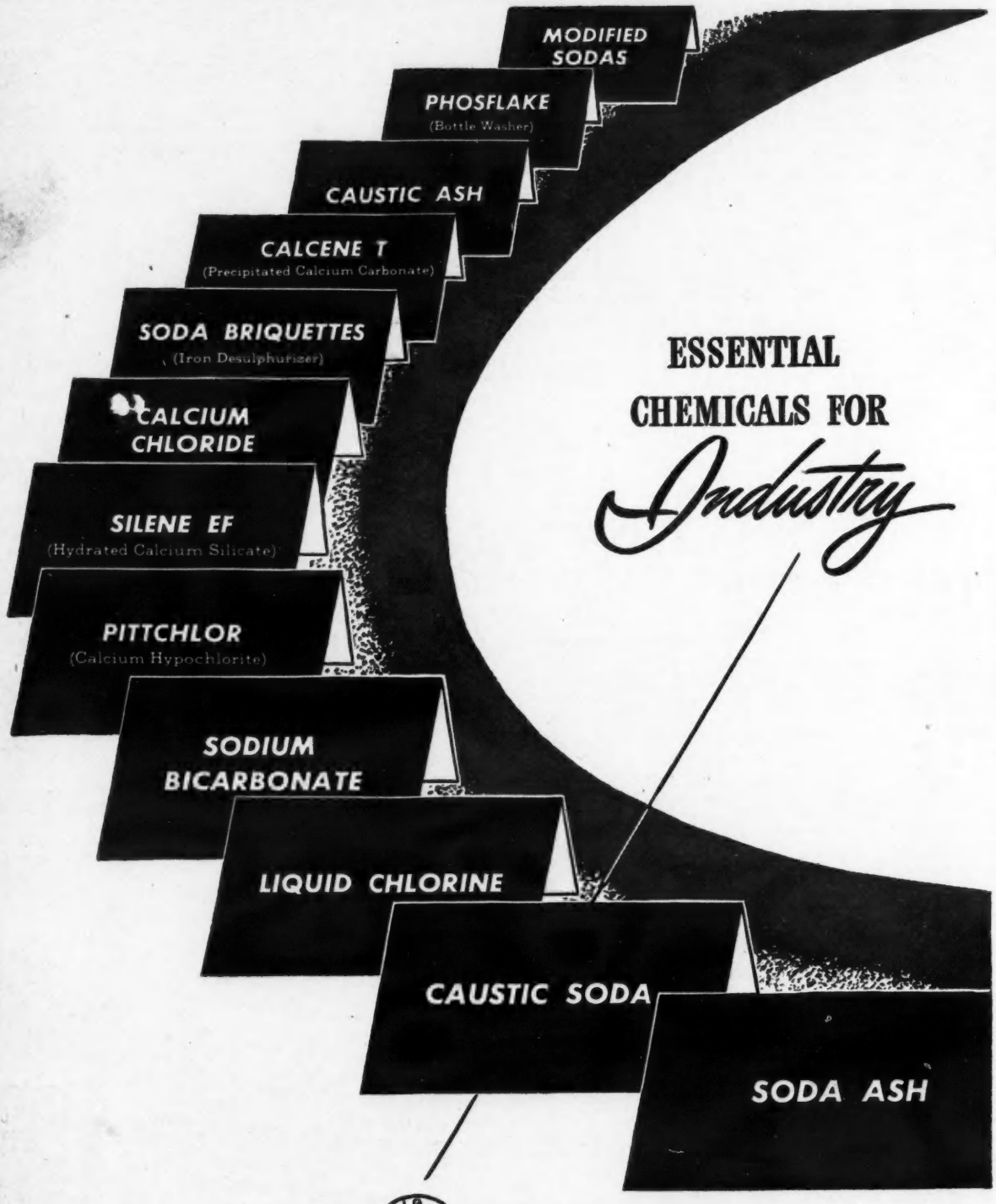
Soda phosphate in bbls. 20c. higher.

USP (see Sodium phosphate, dibasic).

Prussiate, yellow, bgs.....lb. .10¾- —
bbls., ...lb. .11 - —
Pyrophosphate, ferric, dms., 10,000 lbs., works..lb. .22 - —
smaller lots, works.....lb. .22½- —
tetrabasic, anhydrous, bgs., c.l., works, frt. equald. 100 lbs. 5.25 - —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs. .....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms. .....lb. .52 - .54
Sesquicarbonate, bgs., c.l., wks. 100 lbs. 1.50 - —
Phosphate, dibasic, tech., Sesquicarbonate, bbls., c.l., works..100 lbs. 1.70 - —
l.c.l., zone 1, dlvd..100 lbs. 2.70 - —
2, dlvd .....100 lbs. 2.85 - —
3, dlvd. .....100 lbs. 3.10 - —
4, dlvd. .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.

Sesquisilicate, dms., c.l., works. 100 lbs. 3.05 - —
l.c.l., dlvd. .....100 lbs. 4.30 - 4.45



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Soda silicate, 40°, turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works .....ton.13.00 - —
52°, turbid, dms., c.l., works, 100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works, lb. .06½- .07
l.c.l., works .....lb. .07 - .07½
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls, works.....lb. .19 - .24
sulphate NF, dried, powd., bbls..lb. .07 - .07¼
tech., anhyd., bgs., c.l., wks. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd. .....100 lbs. 3.15 - —
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd. .....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works ....100 lbs. 2.35 - —
bbls., c.l., works..100 lbs. 2.30 - —
l.c.l., works ....100 lbs. 2.55 - —
powd., bbls., c.l., works.... 100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls. .....lb. .30 - .35
Sulphocyanide, CP, dms....lb. .55 - .65
Sulphohydrate, liquid, 88% dms., c.l., works, 100% basis. lb. .06 - —
l.c.l., works .....lb. .08 - —

Soda sulphohydrate, liquid, 88%, tanks, 100% basis, works. lb. .08¾- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoxylate formaldehyde, dms., c.l., works, frt. alld..lb. .17½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiocyanate (see Soda, sulphocyanide).
Thiosulphate (see Soda hyposulphite).
Tungstate,[1,6] tech., bgs.....lb. 1.35 - 1.60
Soda-ammonia phosphate, bbls., works, frt. equald.....lb. .23 - —
Soda-cinchophen, bots., dms., works..lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs..lb. .19 - .22
Soda-sulphadiazin, USP, dms., works..lb.10.50 -10.60
Soda-sulphamerazin, dms., works. lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., dms., works..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., works..lb. 2.50 - 2.80
Solvent naphtha, dms., wks..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
Minnequa, Colo.....gal. .26 - —
high-flash, coaltar dms., works. gal. .30 - —
tanks, frt. alld. E. of Omaha to 3e. per gal..gal. .25 - —
petroleum, tanks, refinery, Baytown, Tex..gal. .19 - —
Solvent naphtha, wire enamel, ret. dms., c.l., frt. equalized. gal. .27 - —
l.c.l., same basis....gal. .30 - —
tanks, works .....gal. .22 - —
Sorbitol, com'l, dms., c.l., works. lb. .20¼- —
l.c.l., works .....lb. .20¾- —

Soybean meal,[7] 41%, bulk, c.l., Decatur..ton.59.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works.....lb. .20¼- —
smaller lots, works.....lb. .20½- .24
Spartein sulphate, bots., cns..oz. 2.95 - 3.25
Spearmint leaves, bls.....lb. .48 - .49
powd., bbls., bxs.....lb. .16 - .20
Sparteine sulphate, bots., cns..oz. 2.95 - 3.25
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .50 - .55
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04½- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 1.60 - —
White, bls. .....lb. .10 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .10¾- .11½
Starch,[7] corn, pearl, bgs., c.l. 100 lbs. 6.27½ - —
l.c.l. .....100 lbs. 6.87½ - —
Chicago, c.l .....100 lbs. 5.87 - —
powd., bgs., c.l.....100 lbs. 6.42½ - —
l.c.l. .....100 lbs. 6.52½ - —
Chicago, c.l .....100 lbs. 6.02 - —
Potato, bgs., c.l.....lb. 7.35 - —
l.c.l. .....lb. 8.10 - .08¼
Rice, bgs., c.l .....lb. No stocks
Sweetpotato, bgs. .....lb. No stocks
Wheat, thick boil, bgs.....lb. No stocks
Starch, iodide, bots.....lb. 1.87 - —
Staves acre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .45 - .50
Stoneroot, bls. .....lb. .07½- .08
Storax, cs. .....lb. 1.10 - 1.15
Stramonium leaves, bgs.....lb. .16 - .17
Seed, bgs. .....lb. .20 - .21
Streptomycin, for hospitals, ampules, gram $20, less 20%.

Strontium bromide, cns., dms..lb. .52 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls. .....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
mesh 90%, bbls., works.ton.58.00 - —
Chromate, bbls., kgs., Phila..lb. .35 - .37
Iodide, bots. .....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms. .....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works .....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots. .....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs. lb. 2.25 - 2.30
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms., works. lb. 9.00 - 9.10
Sulphaguanidin, dms., works..lb. 4.50 - 4.60
Sulphamerazin, dms., works...lb. 9.00 - 9.10
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, works..lb. 5.00 - 5.30
Sulphathiazole, USP, powd., dms., works..lb. 2.50 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, con-tract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.95 - —
l.c.l., works.....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs.lb. .18 - .35
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works.... 100 lbs. 2.80 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works.100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., works. 100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works.100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
rubbermakers', bgs., c.l., wks. 100 lbs. 1.35 - —
Chloride, 35-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .08 - —
multi-unit cars, works..lb. .06 - —
tanks, works.....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .13 - .16
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .10½- —
No. 2, bbls.....lb. .09 - —
crystals, bbls.....lb. .40 - —
stainless, bbls.....lb. .11 - .13½
Superphosphate,[2] pulverized, run-of-pile under 22% a.p.a. bulk, production points, Baltо..unit-ton. 70 - —
Florida .....unit-ton. .56 - .59
others .....unit-ton. .57 - .89
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $5.08 per ton; guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher.
triple, 45% or more a.p.a., bulk, producing points, Florida, unit-ton. .68 - —
South Carolina..unit-ton. .75 - —
Tennessee .....unit-ton. .80 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 45% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. .90 - 1.00

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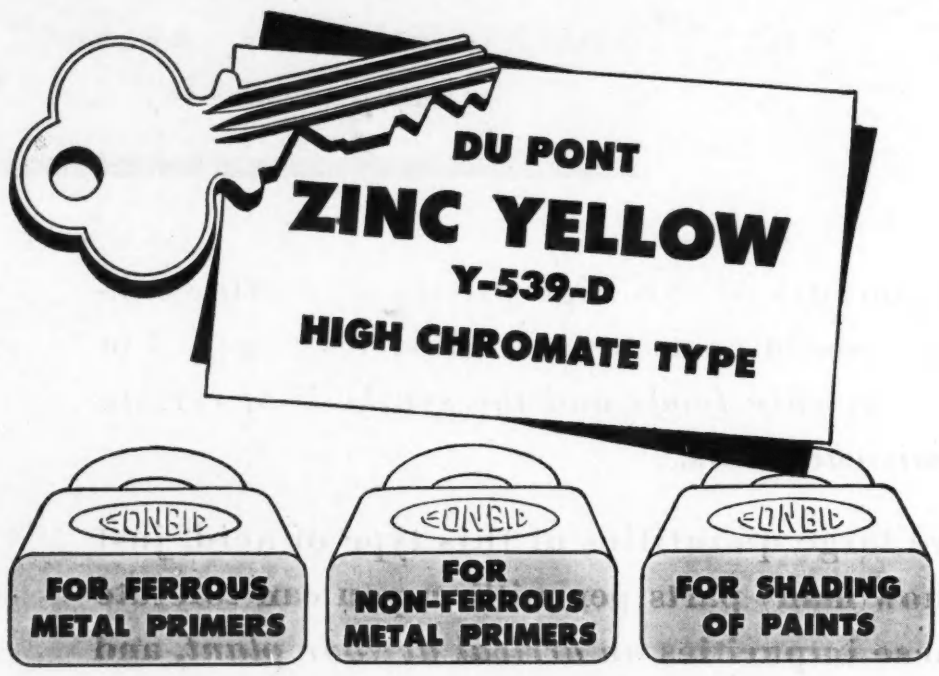
Talc, dom., ordinary, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks..ton.17.50 -18.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
fine, New York, 325 mesh, 93-94%, bgs., c.l., works. ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85-99.95% bgs., c.l., works..ton.17.00 -21.00
imp., Canada, bgs., c.l.....ton.24.00 30.00
Tallow,[1,7] edible, tanks.....lb. .09⅞- —
inedible, extra, loose.....lb. .08¾- —
special, loose.....lb. .08½- —
sulphonated, 50% (42% fat), dms., c.l..lb. .07 - .07½
(70% fat), dms., c.l .....lb. .10 - .10½
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls.....lb. .12¼- 12¾
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk. unit-ton.10.00 - —
Chicago .....unit-ton.10.00 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 5.00 & 10.00
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 5.00 & 10.00
Tapioca flour,[6] bgs.....lb. No stocks
Java, bgs.....lb. No stocks
Tar acid oil, 15-18%, dms., c.l., works..gal. .27½- .30½
l.c.l. works.....gal. .29½- .32½
25%, dms., c.l., works...gal. .31½- .35½
l.c.l. works.....gal. .33½- .37½
Tar, pine (see Pinetar).
Tara[1] pods, c.l., ex dock U. S. ports..long ton.87.25 - —
powd., c.l., same basis.long ton.125.00 - —
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47⅞- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52¾- .56

This key pigment unlocks many problems



ONE PIGMENT—Du Pont Zinc Yellow Y-539-D—is all you need to meet the growing demand for Zinc Yellow primers, and for shading of paints! This pigment meets *all* specifications—is standarized for use as a color pigment. Use it in making high grade primers for aluminum, steel and other metals or in decorative finishes! Du Pont is ready to give you more data on Zinc Yellow Y-539-D, suggested formulas, proper uses. Just write: E. I. du Pont de Nemours & Co. (Inc.), Pigments Department, 1007 Market Street, Wilmington 98, Delaware.

PROMPT DELIVERY!

DU PONT
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BETTER THINGS FOR BETTER LIVING
...THROUGH CHEMISTRY

DU PONT PIGMENTS

Terpin hydrate, com'l, bbls., c.l., lb. .24½- —
lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .34 - .50
extra, cns. .....lb. .60 - —
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .80 - .87
prime, cns., dms.....lb. .62 - .70
Terra alba (see Gypsum).
Tetrachloroethane, dms., works. lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works..lb. .65 - —
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99%, bots., works..lb. 12.50 Nom.
Theobromine, dms., 25-lb. lots..lb. 3.75 - —
smaller lots.....lb. 3.95 - 4.10
Thiamine hydrochloride, dms., 100 grams or more..kilo. 160.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thioureа, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bgs.....lb. .17 - .17½
futures, bgs.....lb. .16 - .16½
Spanish, bls.....lb. .13 - .13½
Thymol, cns.....lb. 2.40 - 2.75
Iodide, dms.....lb. 3.40 - 3.80
Timbo root (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
crystals,[6] bgs., bbls.....lb. No stocks
Metal,[1,6] .....lb. .52 - —
Bolivian .....lb. .63½- —
Straits .....lb. No stocks
Oxide,[1,6] bbls.....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., divd..lb. .15 - —
l.c.l., divd.....lb. .15¼- .15¾
nonchalking,[1,4] bgs., c.l., divd. E..lb. .16½- —
l.c.l., divd.....lb. .16¾- .17¼
plain, bgs., c.l., divd.....lb. .14½- —
l.c.l., divd.....lb. .14¾- .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[1,4] bgs., c.l., divd..lb. .05¾- —
l.c.l., divd.....lb. .06 - —
Calcium base,[1,4] bgs., c.l., divd..lb. .05½- —
l.c.l., divd.....lb. .05¾- —
Calcium-rutile base,[1,4] bgs., c.l., divd..lb. .05½- —
l.c.l., divd.....lb. .05¾- —
Magnesium base,[1,4] divd...lb. .05¾- —
l.c.l., divd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c. higher; Pac coast, c.l., divd., l.c.l., ex whse, ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works.....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 4.25 Nom.
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .96 - —
Toluol (toluene), 2°, indust., dms., return, works..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
1°, nitration, ret. dms., works. gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.60 - 1.70
Brazilian, Surinam, cs....lb. .90 - .95
Totaquine,[1,6] USP XII, 100-ozs. lots..oz. .52 - —
Triacetin, dms., works.....lb. .26 - —
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., divd..lb. .53 - 55
dms., l.c.l., divd.....lb. .49 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt. alld.....lb. .06½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .06 - —
Zone 2, frt. alld.....lb. .06½- —
Zone 3, frt. alld.....lb. .09 - —
Trichloroethylene, dms., c.l., Zone 4, ex whse..lb. .09 - —

Trichloroethylene, l.c.l. prices, ¼c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate, tech., cns., works..lb. .28 - .30½
dms., c.l., divd.....lb. .25 - —
l.c.l., divd.....lb. .25½- —
tanks, divd.....lb. .24 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%...lb. .36 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, anhydrous, cyl., works, frt. alld. E. of Miss., 100% basis..lb. .35 - —
solution, dms., c.l., frt. alld. E. of Miss., 100% basis..lb. .35 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .32 - —
Tripoli, air-floated, bgs., c.l., works..ton. 21.50 - —
double-grd., bgs., c.l., works.. ton. 17.50 - —
once-grd., bgs., c.l., works. ton. 16.00 - —
Trisodium phosphate (see Soda phosphate tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices.

Turmeric root, Alleppey, bls...lb. .19½- .20
Haitian, bls.....lb. .14½- .15
Jamaica, futures, bls.....lb. .15½- .16
Madras, bgs.....lb. .16¼- .16¾
Turpentine, gum, ret. dms., c.l. gal. 1.06½- 1.10
l.c.l. .....gal. 1.07½- 1.12
tanks, Savannah.....gal. .96½- —
Wood, d.d., dms., East....gal. .65 - .70
tanks, East.....gal. .60 - —
steam-dist., ret. dms., East. gal. .90 - 1.08
tanks, East.....gal. .89 - .96
Sulphate, ret. dms.....gal. .90 - .95

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.05 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton. 68.00 - —
l.c.l., ship. pts.....ton. 70.50 - 80.00
fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton. 67.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton. 116.80 - —
import, pure, cs.....lb. .12 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton. 59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3. ton. 112.80 - —
C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.
Urunday, extract, 63% tannin, ex dock, U.S. ports..lb. .05625- .05875
Uva ursi leaves, bls.....lb. .16 - .19

V

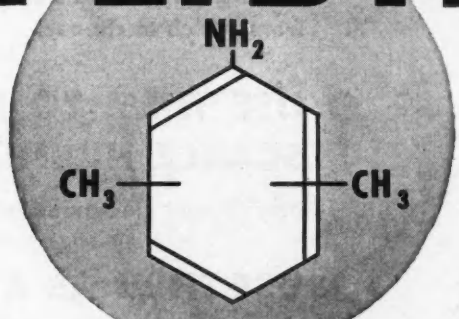
Valerian root, Belgian, NF, bls. lb. .58 - .77
Indian, bls.....lb. .42 - .52
Valonia, beards, bgs., exdock.. ton. 75.00 - —
Cups, bgs., exdock.....ton. 60.00 - —
extract, powder, bgs., exdock. lb. .12½- —
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 - 10.00
whole, tins.....lb. 10.50 - 11.00
Tahiti, white label, tins.....lb. 3.50 - 3.75
yellow label tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin, ex eugenol, tins, 25 lbs. or more..lb. 4.50 - —
smaller lots, tins.....lb. 4.55 - 4.65
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs. or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works.lb. .25 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works..lb. 1.50 - —
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).
Vitamin C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. 1.25 Nom.
Wattle bark,[1,5] merchantable, bgs., f.a.s..ton. 57.00 - —
fair average, bgs., f.a.s.. ton. 59.50 - —
extract,[1] liquid, 35% tannin, bbls., works..lb. .05¾- .06¼
tanks, works.....lb. .06¼- .06¾
solid, E. Afr., 61% tannin, ex dock..lb. .06095- .06345
S. Afr., 62% tannin, ex dock, lb. .0622- .0647
Wattle extract prices based on $12 freight and $1.00 insurance per long ton.
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs..lb. .68 - .70
slabs, bgs.....lb. .65 - .68
crude, African, bgs.....lb. .55 - .57
Western hemisphere, bgs.lb. .58 - .60
refined, yellow, bricks, bgs., lb. .60 - .62
slabs, cs. .....lb. .59 - .61

VELSICOL offers

XYLIDINE



New low prices

TANK CARS • CARLOADS • LCL

SPECIFICATIONS

Distillation Range

Initial	200°C.
5%	214°C.
95%	217°C.
Dry Point	228°C.

USES

Dyestuffs
Rubber Chemicals
Gasoline Additives
Chemical Syntheses

SAMPLES AND INFORMATION ON REQUEST

VELSICOL Corporation

Manufacturers of Aromatic Solvents • Coresin Core Oils • Synthetic Resins • Insect Toxicants

General Offices: 120 East Pearson Street • Chicago 11, Illinois

Branch Offices: NEW YORK • DETROIT • CLEVELAND

Representatives: E. B. Taylor Co., Los Angeles 13. • E. M. Walls, San Francisco 11. • J. E. Russell, Houston 1.

In Canada: Natural Products Corp., Montreal 2.

Wax, candelilla, crude, bgs....lb. .78 - .80
refined, bgs.....lb. .80 - .82
Powdered, candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. 1.72 - 1.74
North Country, No. 2, bgs., ton lots..lb. 1.78 - 1.80
No. 3, bgs., ton lots.....lb. 1.73 - 1.78
refined, bgs., ton lots.....lb. 1.86 - 1.88
yellow No. 1, bgs., ton lots. lb. 2.00 - 2.03
No. 2, bgs., ton lots.....lb. 1.98 - 2.01
Powdered carnauba prices, same differentials as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs..lb. .12½- .13½
138°-140° m.p., bgs.....lb. .15 - —
158°-162° m.p., bgs.....lb. .19 - .20
Japan, bgs. .....lb. No stocks
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 20 tons yearly contract, group 3, works..lb. .14½- —
smaller lots, same basis.. lb. .14½- .15½
black, ctns., 20 tons, same basis..lb. .12¾- —
170°-175°, black, smaller lots, same basis..lb. .13 - .14
white, ctns., 20 tons, same basis..lb. .24¾- —
smaller lots, same basis.. lb. .25 - .26
Wax, microcrystalline, 190°-195° m.p., A.S.T.M., amber, ctns., 20 tons, same basis lb. .16½- —
smaller lots, same basis. lb. .16½- .17½
black, ctns., 20 tons, same basis..lb. .14¾- —
smaller ctns., same basis. lb. .15 - .16
white, ctns., 20 tons, same basis..lb. .28¾- —
smaller lots, same basis. lb. .29 - .30
Montan, bgs.. .....lb. .53 - .55
Ouricury, crude, bgs., ton lots. lb. .97 - 1.00
refined, bgs., ton lots.....lb. 1.10 - 1.15
Powdered ouricury prices same as powdered candelilla.[1]
Ozokerite, dom., 189-190 F., c.l. lb. .36 - —
182-183 F., bgs., c.l.....lb. .31 - —
171-172 F., bgs., c.l.....lb. .27 - —
Spermacetti, blocks, cs.....lb. .28 - .31
cakes, cs.....lb. .29 - .32
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - —
White pine bark, rossed, bls..lb. .17 - .19
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, N.E., works..ton. 6.00 - —
smaller lots, N.E., works. ton. 7.00 - 9.00
wet-grd., air-coated, 36% mesh, 99½%, bgs., c.l..ton. 9.35 -10.10
200 mesh, 99¼%, bgs., c.l. ton. 8.00 - 9.50
99% bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.10.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Whiting, Paris white, bgs., c.l.. ton.24.00 -28.00
l.c.l. .....ton.25.00 -29.00
precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .18 - .20
rossed, green, bls.....lb. .24 - .26
Wild indigo root, bls.....lb. .22 - .25
Witch-hazel leaves, bls.....lb. .20 - .22
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .27
Levant, bgs. .....lb. 4.25 - 4.30
Wormwood, bls .....lb. .50 - .60

X

Xanthorrhiza, bls. .....lb. .28 - .30
Xylidin, mixed, dms.....lb. .35 - .36
Xylene (see Xylol).
Xylol (xylene), indust., rct. dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
10°, rct. dms., works.....gal. .30 - —
tanks, E. of Omaha, frt. alld. gal. .25 - —
5°, rct. dms., works.....gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .32 - —
9°, rct. dms., works.....gal. .42 - —
tanks, E. of Omaha, frt. alld. gal. .37 - —

Y

Yara yara, cryst., bots., cns..lb. 1.75 - 1.90
Yeast, brewer's dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .32 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., divd.....lb. 1.35 - 2.25
Cadmium, CP, bgs.....lb. 1.35 - 1.40
Lithopone, all shades, bbls., E. of Rockies..lb. .65 - .75
Sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Chrome, CP, bbls., divd. N. Tenn. and N. C. E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.. lb. .18¾- —
Chrome, CP, bbls., divd. N. Ala., Fla., Ga., La. (Shreveport), 1¼c., Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis.lb. 1.75 - —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa.. lb. .04¼- —
l.c.l., same basis.....lb. .05 - —
synthetic, bbls., c.l., works. lb. .0685- —
l.c.l., works.....lb. .0710- —
Mercury oxide, bbls., 1,000 lbs. lb. 2.48 - —
smaller lots.....lb. 2.45 - —
Ocher, American, golden, bbls., works..lb. .04¼- .05¼
yellow, bbls., works.....lb. .02 - .02¼
French type, bbls., c.l.....lb. .0845- —
l.c.l. .....lb. .0865- —
Persian orange (see O).
Zinc, bbls., same basis as chrome..lb. .16 - —
Navy spec. type, bbls., contract..lb. .16 - —
Yellow dock root, bls.....lb. .38 - .40
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .30 - .32
Yohimbine hydrochloride, vis..oz. 3.25 - 4.00

Z

Zein, bgs., 1,000 lbs.. works...lb. .25 - —
smaller lots, bgs.....lb. .30 - —
Zinc acetate, tech., bbls., divd.lb. .16 - .17
USP, bbls. .....lb. .26 - .27
kgs. .....lb. .29 - —
Arsenite,[2] bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .12¾
l.c.l., same basis.....lb. .12¼- .13¼
Borate, bgs., c.l.....lb. .12 - —
Carbonate, tech., rubber-makers' grade, bbls., works..lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.25 - —
gran., dms., c.l., works... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
solution, 50%, dms., c.l., works..lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
USP, dms. .....lb. .30 - .31
jars .....lb. .35 - .36
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .33 - .37
Dust,[3] bbls., c.l., divd.....lb. .1035- —
l.c.l., works .....lb. .1135- —
Fluoride, bbls .....lb. .25 - .30
Hydrosulphite, dms., works..lb. .16 - —
Iodide, NF, bots.....lb. 4.65 - 4.75
jars .....lb. 4.40 - —
Laurate, bbls.....lb. .32 - .38
Metal,[4] (quotations in Protective Coatings market).
Naphthenate, 8%-10% Zn, dms. lb. .16 - .19½
Oxide, pigment, dom., acicular, bgs., c.l., divd..lb. .06½- —
l.c.l., divd. .....lb. .06¾- —
American process, com'l, lead-free, bgs., c.l., divd..lb. .06½- —
l.c.l., divd. .....lb. .06¾- —
leaded, 5%, bgs., c.l., divd..lb. .06¾- —
l.c.l., divd. .....lb. .09 - —
35% or more, bgs., c.l., divd..lb. .06½- —
l.c.l., divd. .....lb. .06¾- —
50%, bgs., c.l., divd.lb. .06¾- —
l.c.l. .....lb. .09¾- —
French process, com'l, lead-free, bgs., c.l., divd..lb. .06½- —
l.c.l., divd. .....lb. .06¾- —
green seal, bgs., c.l., divd..lb. .10¼- —
l.c.l., divd. .....lb. .10½- —
white seal, bgs., c.l., divd..lb. .10¾- —
l.c.l., divd. .....lb. .11 - —
red seal, bgs., c.l., divd. lb. .10¾- —
l.c.l. .....lb. .11 - —
USP, ctns., c.l.....lb. .11¾- —
l.c.l. .....lb. .12 - —
Zinc oxide Pac. Coast prices ½c. higher bbl. prices ½c. higher than bgs.
Resinate, fused, 1% Zn, lump, precipitated, 8.40% to 9% Zn, powd., dms..lb. .18 - —
Silicofluoride, bbls .....lb. .15 - .16
Stearate, tech., ctns., 2,000 smaller lots, same basis.lb. .34½- —
USP (same prices as tech.).
Sulphate, cryst., bgs., c.l., works, frt. alld..100 lbs. 3.40 - —
l.c.l., same basis....100 lbs. 4.15 - —
flaks, bgs., c.l., same basis. 100 lbs. 3.80 - —
l.c.l., same basis....100 lbs. 4.55 - —
powd., bgs., c.l., same basis. 100 lbs. 5.35 - —
l.c.l., same basis....100 lbs. 6.10 - —
Zinc sulphate, in bbls., 25c. higher.

—Continued on page 72

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Volume 150 | September 23, 1946 | Number 13

Inflated Ideas

There is a growing feeling that business has been all puffed up with a multitude of expectations which are not going to be realized. Indications are being found that the much-heralded latent consumer demand is not nearly so big as it has sounded. Warnings are being given that, whatever the impressive length to which orders in hand—or in the air of rumor—might reach if laid end to end, when laid side by side they do not cover much ground. In too many instances they are but duplicates or triplicates or still greater multiples, because they have been broadcast in the hope that some unknown, unseen member of the audience will be in position to respond favorably.

The inflationary effects of duplication and greater multiplication of inquiries have been evident in many places where supplies have been inadequate. The practice of carrying the same order to, perhaps, a half-dozen probable sources of supply—it is still common—has thrown the relationships of supply and demand completely out of gear and aggravated the response of price trends to those relationships.

Up to now, demand has been so much greater than supply in most lines that the, say, three middlemen who got the same order and managed to get the goods have also been able to dispose of their commitments. This condition is changing here and there over a steadily widening area in consumer markets. The change is expected to reach industrial materials markets before long.

Several suggestions are being offered with a view of avoiding an unhealthy accumulation of multiplied orders. Farsighted businessmen are desirous of the return of inquiring and negotiating to once normal channels—but they fear the laws against restriction of competition, even though they are certain that the alternative is a "busted boom." Some are advocating the adoption of noncancellable contractual orders. Most are but hopeful that common sense will prevail, and some declare that the remedy lies in the freeing of consumer credit from all restrictions—a most peculiar contrast to the belief that the consumer has all sorts of unspent money piled up. The fact that the effect of multiplied ordering is recognized, even narrowly, lends some support to the hope that the history of commercial economics is not about to repeat itself.

—O-P-D—

Opinions Must Differ

Where freedom of speech ends and diplomatic double-talk begins nobody can say. But, it should be accepted that the line of demarcation does not lie in the area of governmental administration.

The current conflict in official opinions and private comments over the Secretary of Commerce's speechmaking departure from the foreign-policy line of the Secretary of State points to several things that call for constructive and reformative consideration.

The merits of the foreign-policy ideas of the dissenting member of the cabinet are beside the point of democratic processes. The foreign policy of the Federal government, like its domestic policy in respect of labor and other important matters, is open to criticism. There is too much ignorance, and other unpreparedness, too much indecision in it. To what extent the Secretary of Commerce's criticism is constructive depends wholly on what it is necessary and desirable that this country endeavor to construct. Under existing circumstances the determination of that objective is inpracticable.

One of the most serious matters to which the squabble over foreign policy points is the lack of correlated governmental processes. Government needs the functionng of an executive committee. This has been clearly demonstrated in all the squabbles over congressional reform, correlated defense agencies, and other fundamental improvements. The President and his cabinet with the Vice-President, representing the senate, and the speaker of the house should meet frequently, sometimes at least once a week, as an executive committee or board for the construction of national policies and the promotion of their implementation. Differences of opinion should be freely aired in these meetings—and made public. It is far better that criticism come first from within. There can be no question that the national policy, whether of domestic or foreign application, is the deep concern of every department of government. It should be the common concern of all, determined as to its inauguration by a majority of the suggested executive body and constructed and implemented by such legislative action as is appropriate and necessary—after the people have had an opportunity to make their ideas known.

Honest, intelligent men cannot be expected to think alike primarily. In all group functioning, it is necessary to compose opinions insofar as possible and to act by majority determination. Differences of opinion are a healthy sign. If everybody in government is to be silently satisfied with what everybody else is doing, democracy is doomed.

—O-P-D—

Science Catches Up

Science is catching up with the delinquencies of nature. Every day comes news of another extension of the light metals and their alloys into the realms where wood once reigned alone. All sorts of the finishing articles of building construction are being made now of aluminum or magnesium, of combinations of the two or of one or the other with another alloying metal. The magnesium ladder has come after the wheelbarrow constructed of the same metal. Canoes and rowboats made of light metals are in the market. And the latest arrival is the aluminum alloy rolling pin!

Science is moving from nature's vegetables and animals to its minerals in other fields. Petroleum takes the place of vegetable and animal fats and oils in a new washing compound that is said to do all that has been done by the usual type of soap and to do it better; also to give a more sudsy bubble bath—and leave no ring on the tub.

Science runs in the opposite direction to make progress in other fields. It is turning out a variety of lubricants, hydraulic fluids, and the like, in which petroleum has no part. One special noninflammable hydraulic fluid, developed by navy scientists gathers together representatives of almost all nature's families starting with water. It contains ethyleneglycol, diethylaminoethanol, diisopropylamine nitrite, sodiummercaptobenzothiazole, and phosphoric acid, with a special polymer as a thickener. Three-way synthetic organic compositions to replace oil of citronella or oil of pennyroyal as insect-repellents are quite simple compared with some of the new things.

But, the Reconstruction Finance Corporation still is obliged to prepare to spend about $4,000,000 in subsidizing the procurement in Mexico of binder twine for next year's harvest. Science has come a long way since farm workers trudged along behind a husky cradler raking up the shorn-off stalks of grain and binding them with a wisp of themselves into a sheaf. Science is making fibers, filaments, threads, and cords from all sorts of new materials, including metals. Surely binder twine is not beyond the reach of this ingenuity. And it is conceivable that it could be fabricated and sold without benefit of subsidy. Perhaps RFC and the subsidy-authorizing director of stabilization are not properly informed in the matter. Science should not be silent, or spend its talk too much on atomic fission. Important little jobs are still to be done.

OPD Forum

Outlet for Individual Opinion

(Anonymous communications will not be recognized, but a signer's name will be withheld at request.)

It's Time to Work

The Editor,
OIL, PAINT AND DRUG REPORTER.
Sir:—

Out of the strikes of truck-drivers and dock-workers comes some evidence that the whole nation at last is beginning to show disappointment at the failure of the present-day laboring man to be willing to give some honest thought to the employer's side of the picture. There is no need for disagreement at this time.

The highest wages in history are being paid today—more than after the last war when the cost of living really got out of hand. World War II ruined most of the rest of the world's ability to produce and to finance business, but it also resulted in making this nation soft. During four long years of war our nation was untouched—it was well fed, it had shelter, and was never under bombardment. Everybody received big wartime pay—except the soldier and the sailor—and the government reaped big wartime profits through taxes. We were almost luckier than we deserved.

Do we want something for nothing? Or are we ready to do a real day's work for a good day's pay? More work, fewer interruptions, more will power must be the order of the day so that goods can come through for construction, so that we can buy those things we saved up for, and so that stocks our banks and our life insurance companies have invested in will not crumble. Production then would really zoom. It is high time to quit wrangling and start producing.

New York. WILLIAM ZINSSER & Co.

Washington Talks It Over

—*Continued from page 5*

tions, the lead scrap dealers can buy at more than ceiling prices, but they can't sell at more than ceiling prices.

The effect of this condition is that scrap is being accumulated in the hands of dealers, and the users who submit bids for the surplus material at ceiling prices are unable to buy it. During the time when OPA prices were in suspension, a good deal of scrap was sold by the dealers at 9½ cents, but since the resumption of price-controls, accumulations of scrap by dealers has begun again.

Mustard Gas in Cancer

The government's problem of turning plowshares into swords during the war and back into plowshares again now that the war is over has its counterpart in medicine. Mustard gas, made from nitrogen, was developed as a killer in the event the enemy went into gas warfare. Now it may become a saviour of persons suffering from cancer.

A chemical agent which would have about the same effect as x-radiation on neoplastic tissue—the tissue of such malignant growths as cancer—has been sought for years by medical investigators. Mustard gas may be that for which they have been looking, says the War Department. Tests show that the so-called "nitrogen," mustards, used in rigidly measured doses, might actually be employed as medicines for blood and lymph neoplasms.

The department isn't going too far out on a limb with its announced discovery; for it cautions that, as a means of therapy, it appears to have no particular advantage over x-radiation and in some ways it is decidedly inferior. But the gas is of great interest, it adds, as the first material to appear with some capacity for selective destruction of neoplasms, and considerable research on its properties now is underway.

It is of great significance, at least theoretically, as an opening wedge into a possible new field of medicine.

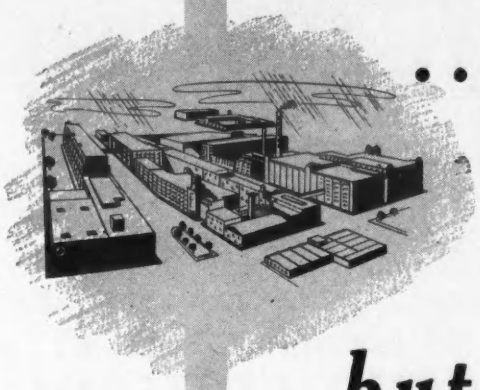
Surpluses and Stockpiles

The government's job of disposing of its war surpluses abroad is well on its way to completion. To date, about $6,500,000,000 worth of property located overseas has been declared surplus by the army and the navy and already about $5,700,000,000 of that has been disposed of.

A lot of the stuff has had to be sold for a fraction of its cost, for much of it had very little civilian use. The figures show that we have realized $1,250,000,000 for the $5,700,000,000 worth that has been sold, or a return of about 25 cents on the dollar. This isn't such a bad return, considering that, if buyers had not been found for it, it probably would have had to be abandoned anyway.

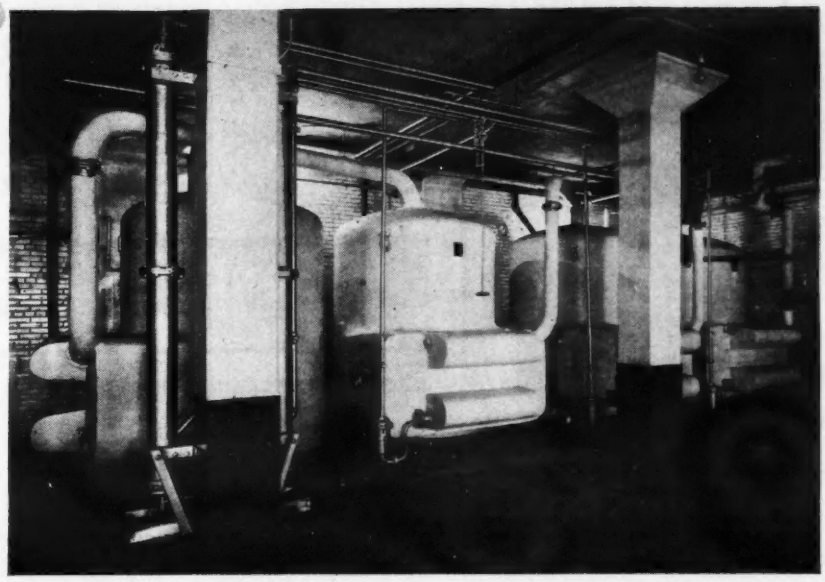
But the question might be raised, why has more effort not been made to exchange some of these surpluses for the strategic and critical materials that we need for our stockpiling program? Although a memorandum was sent out by the Foreign Liquidation Commissioner last March to all field commissioners to make such exchanges where possible, a late check indicates that nothing of any consequence has been accomplished in this direction.

Here is a list of strategic materials required by the Army-Navy Munitions Board for stockpiling in the United States:—Antimony, asbestos, bauxite, beryl, bismuth, cadmium, castor oil, celestite, chromite, cobalt, coconut oil, columbite, copper, corundum, diamonds (industrial), emetine, graphite, hyoscine, iodine, jewel bearings, kapok, kyanite, lead, manila fiber, manganese, mica, monazite, nickel, opium, palm oil, iridium, pepper, platinum, pyrethrum, quartz crystals, quebracho, quinidine, quinine, rapeseed oil, rubber, rutile, sapphire and ruby, shellac, sisal, sperm oil, talc (block), tantalite, tin, tung oil, tungsten, vanadium, zinc and zircon.



...capacity is important

...but RELIABILITY *is more important*



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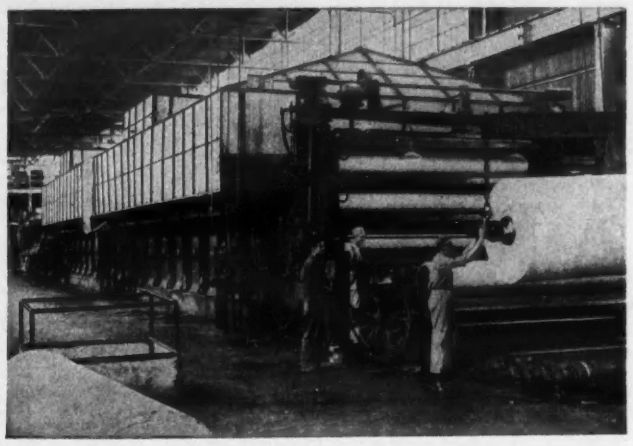

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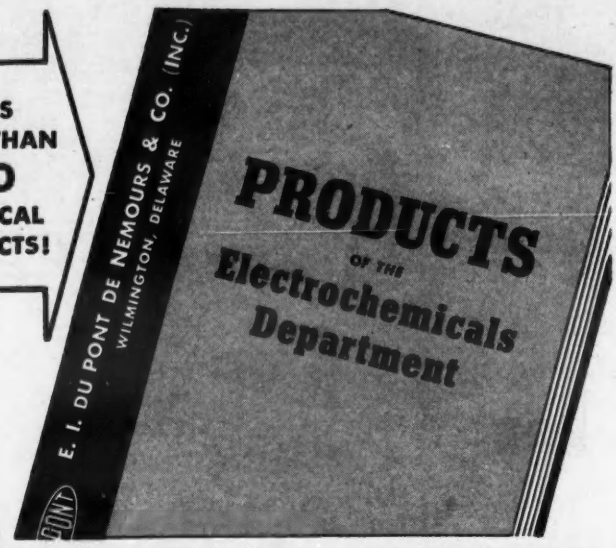

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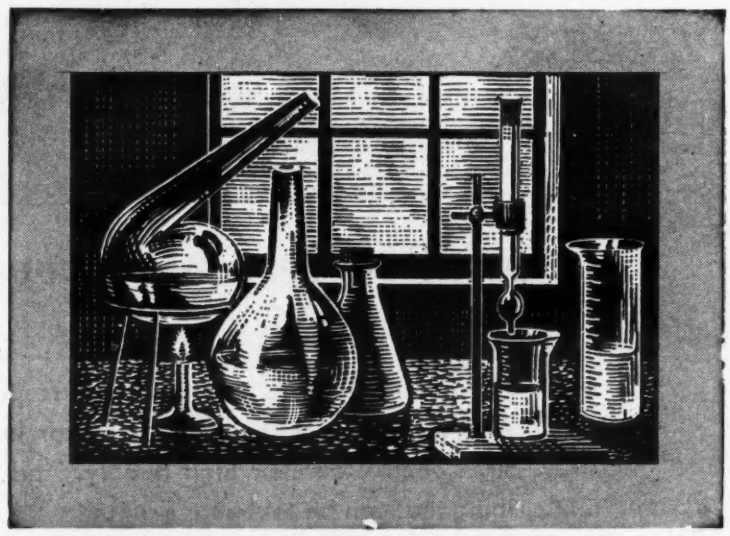

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Heavy Chemicals

Local shipping conditions have improved during the week and it looked as though the maratime dispute was on its way to an early settlement. The container shortage remained acute with the boxcar situation spotty. Announcement has been made that the boxcar shortage will amount to 75,000 to 80,000 in October and November and that a similar shortage will be experienced in the Spring of 1947. Buying conditions for heavy chemicals have shown no evidence of early easement. An advance of 5 percent in the ceilings of chlorine, caustic soda and soda ash has been granted by OPA. Bicarbonate of soda has shown an upward tendency and one of the largest producers of oxalic acid will boost prices 1/2c. per pound on October 1. It appears that CPA is playing quite a prominent part in the distribution of soda ash. A high priority rating has been granted for shipment to a producer of aluminum in the South which suggests less material for other consuming industries. This has disrupted the producers' shipping program and has been a source of aggravation to the industry while CPA has been flooded with applications for a rating.

Production of the phosphates has continued considerably below normal because producers cannot secure enough soda ash. There has been no break-down in the strikebound condition at the plants of a major producer of industrial chemicals. Most of these plants have remained idle for three and a half months and several markets have reflected a tighter supply condition. Zinc sulphate shortage has not been relieved although the outlook for more stocks after the turn of the year appears brighter. Formic acid has remained exceedingly tight with container shortage delaying shipments. Nickel sulphate deliveries are being made about six weeks behind schedule.

Paper production as a percentage of six-day capacity was 105.1 in the week ending September 13, according to the American Paper and Pulp Association. This compares with 86.7 in the previous week and 94.0 percent a year ago.

Alumina Sulphate—Not in free supply but meeting requirements of the paper mills and other consumers on a fairly prompt basis.

Antimony Oxide—Government allocations are being covered without leaving much of a surplus available. Export licenses have continued difficult to secure although it is stated that a few small quantities have been allowed to be shipped recently.

Calcium Chloride — Held the same tight position recently noted. Demand has kept above production throughout the entire year thereby preventing any accumulation of inventories. Buying conditions expected to remain tight over the last quarter.

Carbon Tetrachloride — Finding a steady demand at the recent advance with essential requirements being covered on a fairly prompt basis.

Chlorine—Ceiling prices have been advanced 5 percent on this chemical to cover increased production costs. Demand has exceeded output and buying conditions have continued exceedingly tight. Slow returns of tankcars, combined with the shortage of steel containers have delayed the movement from works.

Copper—Production of crude copper in August amounted to 64,209 tons, compared with 56,906 tons in July. Production for eight months this year totaled 356,764 tons. Refined output in August was 59,591 tons against 43,606 tons in July, according to the Copper Institute. Refined stocks of copper at the end of August were 94,669 tons compared with 101,183 tons on July 31.

Fluorspar—Production in July registered 24,010 tons, against 21,519 tons in June. Stocks on July 31 were 190,368 tons, compared with 192,547 tons on June 30. Output, shipments, and consumption of fluorspar gained for the second consecutive month and both production and usage established postwar highs, according to the Bureau of Mines. One of the largest producing fluorspar mines continued strikebound for the third consecutive month. Reflecting the much higher operating rate at steel plants, consumption at steel works was 13 percent greater than in June and the largest since July 1945. Stocks at steel plants again declined and much less fluorspar was in transit on July 31 than on June 30. Usage of fluorspar at hydrofluoric acid plants in July established a postwar monthly high, and slightly more fluorspar was also consumed at glass and enamel plants. Imports of fluorspar, comprising 1,974 tons from Mexico, 765 tons from Spain and 58 tons from Canada, were 44 percent more than in June.

Manganese Dioxide — Stocks have been kept at a level to permit shipments to the battery and match industries on a fairly prompt basis. Demand has measured well up to seasonal expectations. Maganese sulphate remained short with small lots more readily obtainable than large ones.

Manganese Ore—Domestic production of manganese ore, containing (natural) 35 percent or more manganese, during the second quarter of 1946 was 31,800 short tons, shipments were 34,000 tons and stocks at mines and mills on June 30 totaled 29,600 tons. Arkansas, Montana, Nevada, New Mexico and Virginia reported shipments. In the first quarter production was 38,800 tons, shipments were 12,000 (revised figure) and stocks March 31 were 31,800 tons (revised figure). The rate of shipments in 1946 averaged 23,000 tons per quarter compared with 45,584 tons per quarter in 1945 and 61,904 tons in 1944, according to the Bureau of the Census.

Potash Chlorate—Increased buying interest has exerted enough pressure to throw this market again out of balance after a short period in which inquiry was temporarily evened off. While the call from match factories predominated, there was also a heavy demand for miscellaneous industrial uses.

Salt Cake—Production in July was placed at 42,945 tons of cemmercial crude by the Bureau of the Census. The June total was revised to 44,633 tons.

Soda Ash—Ceiling prices have been increased 5 percent by OPA. The increase, effective September 16 is mandatory under the price control act to lift producer earnings to the 1936-1939 base level. Resellers are permitted to raise their ceilings so as to give them their March 31, 1946 percentage mark-up over current acquisition cost. The market position has remained definitely tight with possibilities of becoming tighter. CPA appears to favor priority shipments to aluminum plants because aluminum is essential for construction work. A report was current that an aluminum plant in the South that has been working on government stocks of soda ash but now has to go into the market for it has been granted a CC rating. The industry was very much opposed to issuance of the rating but CPA couldn't do anything about it since aluminum is so important for construction. The industry is all stirred up with the result that CPA is now being flooded with other applications for a rating. It was stated that some producers have sent a form letter to customers suggesting that they apply to CPA for a rating.

Soda, Caustic — Producers' ceilings have been increased 5 percent by

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Soda ash, 5 percent,
Caustic soda, 5 percent,
Chlorine, 5 percent.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
172.0	171.8	171.4	168.9

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

(For Current Prices see Page 9)

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OPA effective September 16. Consuming demand continued above the supply limit and the market position has remained exceedingly tight and without suggestion of nearby easement. The container shortage has not been remedied and the shortage is causing difficulty in moving the dry forms. It looks as though this drum scarcity will continue until the supply of sheet steel becomes freer.

Soda Chlorate—Supplies are shorter than noted a week ago and the market has presented a tighter appearance. Aside from the inquiry for weed-killing, there has been an increased demand for oxidizing uses by various industries.

Soda Phosphate — Census Bureau gives production for July at 3,802 tons tetrasoda phosphate against 6,871 tons for June. Output of monobasic was 952 tons, compared with 677 tons in June. In general, current production is said to be considerably under plant capacity because of the continued inability of large producers to secure sufficient soda ash.

Tin — Reconstruction Finance Corporation has announced that a contract has been signed with the Bolivian tin producers for the purchase by RFC during the year 1946 of Bolivian tin ores and concentrates. The base price will be 62½ cents per pound of payable tin delivered f.o.b. vessel at the ports of Antofagasta or Arica, Chile, or Mollendo, Peru. The contract provides for a maximum production bonus ranging from one to three cents per pound of payable tin together with certain adjustments with respect to smelter charges and unit deductions. The contract has been guaranteed by the Government of the Republic of Bolivia with respect to performance of the sellers. The material will be transported to the Texas City Smelter where tin ores and concentrates are refined for RFC.

Zinc Sulphate — Constant demand for uses in the manufacture of rayon and for agriculture have prevented any improvement in the market's supply position. There are possibilities of some easement after the turn of the year by an increase in production.

Zirconium — Shipments of foreign and domestic zircon to consumers in the United States were 4,424 short tons in the second quarter 1946, an increase of 5 percent over the preceding quarter and the highest since fourth quarter 1944, according to the Bureau of Mines. Domestic production of zircon (all in Florida) is increasing and for the first time in many years approximated imports, although this was partly due to a 42-percent drop in imports in the second quarter compared with the first. Australia continued to furnish the bulk of the zircon entries; a few tons from Canada were the first ever received from the Dominion. Exports of zirconium concentrates are very small. Stocks of zircon held by distributors decreased about 9 percent during the second quarter.

Acids

Chromic—Market position firm with demand active. Supply short with platers being fed from production on account of low inventories.

Hydrofluosilicic — Supply position continues favorable to meet current demand. Container scarcity having a tendency to delay shipments.

Formic—In definitely short supply under a heavy demand. Shipping situation aggrevated by shortage of containers.

Muriatic — Essential requirements covered, but stocks not free. Strike-bound plants of a major producer pinching stocks available.

Oxalic—Buying conditions exceedingly tight and appear to be growing worse. Aside from a constantly increasing demand, the container shortage has disrupted deliveries. One of the largest producers will advance prices ½c. a pound on October 1.

Sulphuric—Current production has met requirements on a fairly prompt basis in the eastern area. Demand is active enough to prevent the supply from becoming free. Enquiry from the steel industry is said to be back to normal while the larger producers of superphosphate are taking sizable quantities to meet future wants.

Baltimore, Sept. 20.—Conditions in the production of sulphuric acid locally have undergone no change, with the situation as to stocks of materials and the demand for the finished acid about as it has been. Stocks of acid-making supplies are not more plentiful nor lower in cost while the item of labor is causing no trouble mainly because of the fact that operation of the plants is almost entirely automatic, which eliminates the wage question. Output appears to be entirely adequate to take care of requirements for the government for the military forces, with the surplus available for operation of the many industries that use acid, and with other conditions causing no serious problems. There is, of course, a growing tendency on the part of producers to do what they can to make sure of supplies of materials by consolidations of interest.

Trade Briefs

Celotex Corporation has acquired 83.3 percent of the outstanding shares of El Rey Products Company, which owns a roofing plant and felt mill in Los Angeles, with the intention to eventually acquire full ownership of the El Rey firm.

R. Wayne Mills, formerly manager of the Insecticide and Fungicide Department of Farm Bureau Services, Lansing, Michigan, has assumed the new position of departmental manager of the Insecticide Department of United Co-Operatives, Inc., of Alliance, Ohio.

E. W. Thompson, who has been manager of the Louisville neoprene synthetic rubber plant, which E. I. duPont de Nemours & Co., built and is operating for the government, has been appointed production manager of the rubber chemicals division of the duPont company.

R. S. Slater, sales agent for the American Car & Foundry Company's New York sales department, has been named manager of tankcar sales, in charge of sales of tankcars, storage tanks, and pressure vessels. Mr. Slater will continue to make his offices in New York.

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IMPORT EXPORT

Joins J.T. Baker

Dr Willard D. Peterson has been appointed associate director of the Organic Research division of the J. T. Baker Chemical Company, Phillipsburg, N. J. Dr. Peterson formerly did administrative work in research and development at the Central Research Laboratories of the General Aniline & Film Corporation.

Lion Oil Constructing Nitric Acid Plants

Lion Oil Company has begun construction of three new forty-five-ton-per-day capacity ammonia oxidation units for the production of nitric acid at its chemical division plant near Eldorado, Ark. The new construction will increase nitric acid capacity approximately 50 percent.

The new units include complete facilities for nitric acid production and the installation of certain additional facilities will permit the company to make nitrogen solution. At capacity operation the new facilities will be capable of diverting some 4,000 tons per month of present anhydrous ammonia production into more than 9,000 tons of solutions with a nitrogen content of approximately 40 percent. The project is expected to be completed and in operation during the first quarter of 1947.

Metal Can Shipments Increase in July

Shipment of metal cans amounted to 307,000 short tons in July, it was recently reported by the Bureau of the Census. This 28 percent increase over the June shipments of 240,000 tons reversed the seasonal trend of metal can shipments which nevertheless remained 24 percent above those of July, 1945.

Continental Ore Named Sales Agent for Cobalt Corp.

The Continental Ore Company, New York, has been appointed exclusive sales agent for the Cobalt Corporation of America, Eldred, Pa., producers of high-grade cobalt oxide, copper sulphate, and nickel sulphate.

Surplus Goods

—Continued from page 4

many points, from Rhode Island to Georgia, to Texas, to California.

The Seattle WAA office is offering also a lot of ammonia cylinders—nine with cap and valves; three without—for bids up to October 1, in lot No. 17 of special offering SE E-60. The Kansas City office offers various-size lots of several pieces of laboratory equipment for bids up to October 1 in sale No. 59150. It also offers in listing No. H7 at fixed prices sixty-nine lots of protective coatings and components thereof, ranging from ¼ pound of an oil-soluble green dye to 31,568 gallons of a thinner. The New York office has 10,050 pounds of cleaning compounds (572870).

The Army Quartermaster Depot in Kansas City will take bids up to September 25 (invitation 7) an a big variety of materials, including many chemicals, from nitric acid to ammonia, and related products.

The Base Purchasing and Contracting Office, Shaw Field, Sumter, S. C., is taking bids up to September 30 (invitation 13) on a variety of articles, including alcohol and fertilizer.

The Contracting Officer, Post Engineer, at Camp Butner, N. C., offers up to September 25 (invitation 5) a variety of items, including lard oil and grease.

The Supply Officer in command, Purchase Division Sales Section, Naval Supply Depot, Norfolk 11, Va., offers 75,000 gallons of lubricating oil (sales catalog B-31-47), bids until September 25, and 133 drums of camouflage paint (sales catalog B-32-47), bids until October 1.

Soda Ash Rating

—Continued from page 5

total aluminum capacity, will be needed in the next few months for the veterans' housing program alone. Next year, more of the total aluminum output is scheduled to be diverted into housing, according to the Metals and Minerals Division.

The Kaiser plant is now operating on aluminum stocks purchased from the government and could continue operating on these stocks until October 1. Reynolds Metals Company, the other company which has been set up as a completely integrated aluminum system to compete with Alcoa, is running on soda ash which it secured from the stockpile at Hurricane Creek when the plant there was shut down.

At a recent meeting of the soda ash segment of the Chlorine-Alkali Industry Advisory Committee, strong opposition to issuance of a CC rating for the Kaiser plant was voiced. Committeemen pointed out that soda ash is in extremely short supply and that inventories at both producers' and consumers' plants are virtually exhausted. Producers cannot meet the requirements of their old customers making essential products, let alone fill the demands of a new plant, they said.

Soda ash is now going into glass for automobiles and housing, containers, fertilizer, textiles, and other products considered vital to the national economy. It would be grossly unfair, they added, to deprive historical users in these categories of their limited supplies of soda ash and make the material available to a new consumer.

They also warned that the granting of a CC rating for the Kaiser plant would be followed by a flood of applications from other plants seeking a rating. This warning has been borne out, according to CPA officials. Since the favorable action of the agency on the Kaiser request leaked out to the trade, applications have been pouring into the agency from other users for similar ratings.

No one at the meeting ventured to predict how long the tight situation might continue in soda ash supplies, but it was indicated that the industry's troubles have stemmed largely from work stoppages and plant breakdowns. This has made it necessary to curtail deliveries to a point where some users have been forced to shut down entirely. Nitrate, needed for agricultural purposes, is one of the commodities that has been reduced because of the soda ash shortage.

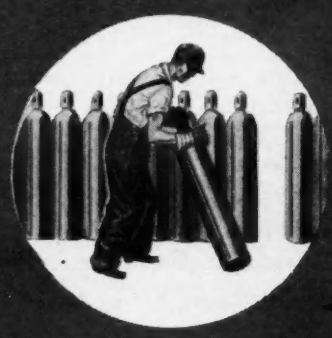
Some easing of the problem may be undertaken by way of government action curtailing exports of soda ash. While no decision has been reached, the question of placing soda ash back under export licensing is being explored by the Office of International Trade.

Official figures on exports of soda ash showed that for the first six months of the year they had risen to 45,000 tons, exclusive of shipments to Canada. These figures do not nearly match those of the Alkali Export Association and it is suggested that some of the material may be moving through illegitimate channels.

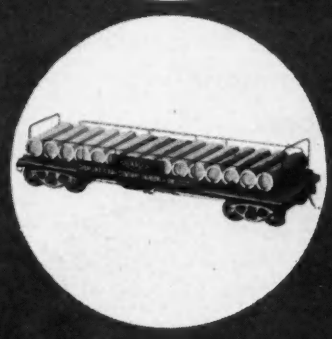
DIAMOND

Liquid

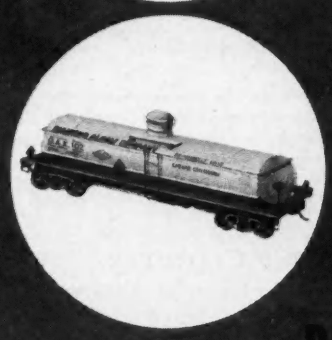
CHLORINE



available in cylinders,



multi-unit cars, or



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Recent Imports

New York

ALOE—69 cs, Wessel, Duval & Co, Porto Cabello

AMMONIA SULPHATE—20 bgs, H C Bugbird Co, Liverpool

AMYRIS OIL—1 dm, 1 cs, Polaks Frutal Works, Port Prince

ANISE OIL—5 dms, N J Bush & Co, Hongkong—20 dms, Magnus, Mabee & Reynard, Hongkong—15 dms, R J Prentiss & Co, Hongkong—10 dms, Orbis Products Corp, Hongkong—30 dms, Consumers Import Co, Hongkong—5 dms, F P Dow Co, Hongkong—5 dms, Polak & Schwars, Hongkong—1 dm, Dodwell & Co, Hongkong—10 dms, Geo Luecders & Co, Hongkong—15 dms, Dodge & Olcott Co, Hongkong—10 dms, Felix Kramarsky Corp, Hongkong—5 dms, Roure Dupont, Hongkong— 2 dms, Robert & Co, Hongkong

ANISE STAR—648 bls, Kachurin Drug Co, Hongkong—100 bls, E Miltenberg, Hongkong—160 bls, S B Penick & Co, Hongkong—100 bls, Geo Uhe & Co, Hongkong—100 bls, Max Van Pels, Hongkong

ANT EGGS—8 bgs, S B Penick & Co, Trieste

ARABIC GUM—150 bgs, D C Andrews & Co, Port Sudan—100 bgs, Interocean Export Corp, Port Sudan—200 bgs, Canadian Bank of Canada, Port Sudan—2,000 bgs, Bank of London, South America, Port Sudan

ARTISTS MATERIAL—12 cs, Jung Forwarding Co, Rotterdam

BALATA—33 bgs, H A Astlett & Co, Cristobal—31 cs, Hecht, Levis & Kahn, Manaus—34 cs, H A Astlett & Co, Manaus—59 cs, Wessel, Duval & Co, Manaus—100 cs, Littlejohn & Co, Manaus—31 cs, Earle Bros, Manaus—10 cs T A Desmond & Co, Manaus—153 blocks, H Weber & Co, Belem—780 blocks, H A Astlett & Co, Belem—50 cs, T A Desmond & Co, Belem—50 cs, Earle Bros, Belem

BALSAM, COPAIBA—60 cs, Ungerer & Co, Manaus

BARBASCO ROOT—3,040 bgs, Hecht, Levis & Kahn, Belem—514 bgs, Otis, Astoria & Co, Belem

BEES WAX—13 bgs, Curacao Trading Co, Ciudad Trujillo—46 bgs, National City Bank, Valparaiso—71 bgs, W F Grace & Co, Valparaiso—36 bgs, Will & Baumer Candle Co, Port Prince—27 bgs, Lenape Trading Co, Recife

BUCKTHORN BARK—23 bls, Peek & Velsor, Trieste—94 bls, S B Penick & Co, Trieste

CAFFEINE, ANHYDROUS—50 bbls, Lo Curto & Funk, Santos

CAMPHOR OIL—10 dms, Bingham & Co, Hongkong—14 dms, Geo Luecders & Co, Hongkong

CANTHARIDES—5 cs, R J Prentiss & Co, Hongkong—20 cs, S B Penick & Co, Hongkong

CAPSICUM—667 bgs, Standard Bank South Africa, Apapa

CARNAUBA WAX—56 bgs, S C Johnson & Son, Fortaleza—22 bgs, Innis, Speiden & Co, Fortaleza

CASEIN—1,000 bgs, Paul & Stein Bros, Buenos Aires—500 bgs, Colloid Corp, Buenos Aires—2,000 bgs, Crawford, Keen & Co, Buenos Aires—1,140 bgs, Crawford, Callan & Co, Buenos Aires

CASHEW SHELL LIQUID—166 dms, Irvington Varnish Insulator Co, Cochin

CASSIA—100 bls, Curacao Trading Co, Hongkong—600 bls, E Miltenberg, Hongkong—600 bls, Arles Co, Hongkong—800 bls, International Credit Handel, Hongkong—1,550 bls, East Asiatic Co, Hongkong—300 bls, H P Winter & Co, Hongkong—400 bls, D Kwast, Hongkong—100 bls, Kachurin Drug Co, Hongkong—160 bls, Becker Mayer Seed Co, Hongkong—100 bls, Irving Trust Co, Hongkong—100 bls, Mutual Spice Co, Hongkong—350 bls, R J Prentiss & Co, Hongkong—700 bls, Wm M Allison, Hongkong—400 bls, Polish Trading Co, Hongkong—100 bls, Archibald & Kendall, Hongkong—600 bls, C T Wilson & Co, Hongkong—300 bls, H F Downing & Co, Hongkong—1,550 bls, Arnhold & Co, Hongkong—200 bls, Griffith Laboratories, Hongkong—400 bls, Wah Chang Trading Corp, Hongkong—100 bls, J S Foby, Hongkong—90 bgs, H H Parker, Hongkong—2,950 bls, A G Dunn, Hongkong—300 bls, S B Penick & Co, Hongkong—1,450 bls, B H Old & Co, Hongkong—300 bls, E S Klined, Hongkong—400 bls, Wah Chang Trading Corp, Hongkong—250 bls, W E Martin & Co, Hongkong—400 bls, J Berlage, Hongkong—100 bls, E Meer & Co, Hongkong—100 bls, Irving Trust Co, Hongkong—100 bls, Balex Co, Hongkong—60 bls, Hudson Tea & Spice Co, Hongkong—280 bls, Otto Gerdau & Co, Hongkong—250 bls, C Gitlan & Co, Hongkong—250 bls, Van Loan & Co, Hongkong—350 bls, Kane Import Corp, Hongkong—100 bls, Wessel, Duval & Co, Hongkong—400 bls, Hongkong

CASSIA OIL—5 dms, Dodge & Olcott Co, Hongkong—20 dms, Norda Essential Oil & Chemical Co, Hongkong—10 dms, Geo Luecders, Hongkong—20 dms, Ungerer & Co, Hongkong—10 dms, Magnus, Mabee & Reynard, Hongkong

CASTOR BEANS—700 bgs, Lenape Trading Co, Port Prince—2,500 bgs, Baker Castor Oil Co, Recife—1,665 bgs, Bunge Corp, Recife—8,946 bgs, Baker Castor Oil Co, Fortaleza—1,700 bgs, Baker Castor Oil Co, Santos

CERAMIC COLORS—1 ck, B F Drakenfeld & Co, Liverpool

CHICLE GUM—16 cs, H Weber & Co, Manaus

CHILLIES—100 bgs, Louis Furth, Port Prince

CINCHONA BARK—1,060 bls, Reconstruction Finance Corp, Porto Barrios

CITRONELLA OIL—1 cs, J Berlage & Co, Puerto Plata—4 cs, Brown Bros-Harrimann Co, Puerto Plata—8 dms, Dodge & Olcott Co, Porto Barrios—15 dms, W J Bush & Co, Porto Barrios—7 dms, Givaudan-Delawanna, Porto Barrios—8 dms, Dodge & Olcott Co, Colombo—6 dms, Ungerer & Co, Colombo

COBALT METAL—594 cks, African Metal Corp, Antwerp—oxide, 100 cks, Pyrites Co, Antwerp—105 cs, African Metal Corp, Antwerp

CODLIVER OIL—100 dms, B F Drew & Co, St Johns—80 dms, White Laboratories, St Johns—99 dms, 3 cks, Whitmoyer Laboratories, St Johns—45 dms, Silmo Chemical Corp, St Johns—356 dms, E F Drew & Co, Rekjavik—384 dms, Tryggvi Olaffson, Rekjavik— 280 dms, National Oil Product Co, Rekjavik—10 dms, Arista Oil Products Co, Alesund—334 bbls, Alesund

CODLIVERS—20 dms, Silmo Chemical Corp, St Johns

COLCHICUM SEED—30 bgs, Biddle, Sawyer Corp, Trieste

COTTON LINTERS—189 bls, Williamson Products Co, Santos—225 bls, Newark Cottonfelt Mfg Co, Recife

COTTONSEED MEAL & CASTOR POMACE—955 bgs, Wessel, Duval & Co, Port Prince

CRESYLIC ACID—50 dms, Republic Chemical Co, Glasgow—100 dms, American Cyanamid & Chemical Corp, Glasgow—142 dms, Bakelite Corp, Liverpool—100 dms, Schenectady Varnish Co, Liverpool—200 dms, Liverpool

CUBE ROOT—200 bgs, R J Prentiss & Co, Belem

EUCALYPTUS OIL—30 dms, Commercial Banking Co, Melbourne—10 dms, Orbis Products Corp, Melbourne

FISH LIVERS — 2 bbls, International Fisheries, Lisbon

FLINT PEBBLES—730 bgs, J W Higman Co, Copenhagen—600 bgs, Buebendorf Bros, Copenhagen

FUEL OIL—320,000 bbls, Standard Oil Co N J, Aruba

GALANGAL ROOT—112 bls, S B Penick & Co, Hongkong—100 bls, E Miltenberg, Hongkong

GALLS—14 cs, Swift & Co, Melbourne—5 cks, Wilson & Co, Auckland—8 tcs, International Commercial Co, Rio Grande—2 cks, Napier

GALLNUTS—168 bgs, Zinsser & Co, Hongkong

GINGER—932 bgs, Takoradi—12 bgs, Victory Shipping Co, Jamaica—50 bgs, C T Wilson & Co, Jamaica—19 bgs, Hoffman Beverage Co, Jamaica

GLANDS—682 cs, 11 cks, Tupman, Thurlow & Co, Auckland—202 cs, Bank New South Wales, Dunedin

GLUE—500 bgs, Prague Credit Bank, Rio Grande—445 bgs, Transatlantic Animal By Products Co, Rio Grande

GLUESTOCK—280 bgs, Karr, Ellis & Co, Liverpool

GLYCERIN—15 dms, Corn Exchange Bank, Antwerp—41 dms, United States Forwarding Co, Jamaica

GYPSUM—2,378 tons, Newark Plaster Co, Dingwall—2,383 tons, National Gypsum Co, Dingwall

IPECAC ROOT—50 bgs, Mecke & Co, Cartagena—30 bgs, Wessel, Duval & Co, Cartagena

KAURI GUM—122 bgs, S Winterbourne & Co, Auckland—36 bgs, G H Lincks, Inc, Auckland—25 cs, American Cyanamid & Chemical Corp, Auckland—335 bgs, 10 cs, U S Industrial Chemical, Inc, Auckland

KOLANUTS—200 bgs, D Steengrafe & Co, Jamaica—121 bgs, J A Manton Co, Jamaica

LAUREL LEAVES—90 bls, Kachurin Drug Co, Lisbon

LEMONGRASS OIL—4 dms, Felton Chemical Co, Cochin—25 dms, Volkart Bros, Cochin

LIME OIL—20 cs, Orbis Products Corp, Jamaica—20 cs Geo Luecders & Co, Jamaica—20 cs, Magnus, Mabee & Reynard, Jamaica—3 dms, Dodge & Olcott Co, Port Prince

LIQUID AMBAR—6 dms, Fritzsche Bros, Porto Cortes

LOCUST BEAN GUM—100 bgs, Thurston & Braidich, Rotterdam—300 bgs, Stein, Hall & Co, Rotterdam

MANIOC MEAL—3,033 bgs, Geismar & Co, Santos—18,000 bgs, Stein, Hall & Co, Porto Alegre—19,300 bgs, Schenley Distillers Corp, Porto Alegre—21,000 bgs, Jerome International Corp, Porto Alegre—16,000 bgs, Morningstar-Nicol, Inc, Porto Alegre—12,686 bgs, Stein, Hall & Co, Porto Alegre—7,000 bgs, Jerome International Corp, Rio Grande—443 bgs, Sprager Steamship Co, Fortaleza—3,364 bgs, J E Bernard & Co, Fortaleza—6,777 bgs, Corn Exchange Bank, Fortaleza—5,906 bgs, Geismar & Co, Fortaleza—1,600 bgs, Stein, Hall & Co, Fortaleza—98 bgs, United Distillers of America, Fortaleza—10,000 bgs, Jerome International Corp, Belem—1,000 bgs, A Brickman, Inc, Belem

MENTHOL—50 cs, Lo Curto & Funk, Santos—200 cs, C L Huisking & Co, Santos

MICA—204 cs, Eugene Munsell & Co, Calcutta—26 cs, Aaren Acstein, Barranquilla

NUX VOMICA—133 bgs, S B Penick & Co, Cochin

OITICICA OIL—242 dms, Murray Oil Products Co, Fortaleza—382 dms, L N Jackson & Co, Fortaleza—123 dms, Brown Linseed Corp, Fortaleza

OLIVE OIL—343 dms, Hellenic Bank & Trust Co, Seville—311 dms, Sterling National Bank, Seville—297 dms, Manufacturers Trust Co, Seville—574 dms, Chemical Bank & Trust Co, Seville—299 dms, Central Hanover Bank, Seville — 160 dms, Chase National Bank, Seville—249 dms, Public National Bank, Seville—159 dms, Pan American Trust Co, Seville—91 dms, Irving National Bank, Seville

ORANGE OIL—53 cs, W J Bush & Co, Santos—10 cs, Victory Shipping Co, Jamaica

ORANGE PEEL—160 bgs, S B Penick & Co, Cape Haitien

PETROLEUM, CRUDE—101,534 bbls, Cities Service Oil Corp, Las Piedras—108,011 bbls, Barber Asphalt Co, Curacao—95,146 bbls, Imperial Oil Corp, Puerto La Cruz—214,270 bbls, Standard Oil Co of N J, Cartagena—125,577 bbls, Standard Oil Co of N J, Puerto La Cruz—106,574 bbls, Standard Oil Co of N J, Las Piedras

PIMENTO—200 bgs, Frank Tea & Spice Co, Jamaica

PIMENTO LEAF OIL—1 dm, D W Hutchinson & Co, Jamaica—2 dms, Norda Essential Oil & Chemical Co, Jamaica—1 dm, Fritzsche Bros, Jamaica

PINE OIL—3 dms, E S & A Bank, Freemantle

POTASH CHLORATE—300 dms, Charles Hardy, Antwerp

POTTERS COLORS—3 cks, Liverpool

QUEBRACHO EXTRACT—2,600 bgs, International Products Corp, Buenos Aires

QUICKSILVER—4,000 flasks, Philipp Bros, Cadiz

RESIN—27 cs, Magnus, Mabee & Reynard, Trieste

RHUBARB—24 cs, Balfour, Guthrie & Co, Shanghai—12 cs, W E Martin & Co, Shanghai—8 cs, R J Prentiss & Co, Shanghai

RICE STARCH—200 bgs, Stein, Hall & Co, Valparaiso

ROSADINHA GUM—46 cs, H A Astlett & Co, Manaus

ROSEWOOD OIL—9 dms, United States Rubber Co, Manaus—12 dms, Ataianta Trading Co, Manaus—16 dms, P R Dreyer, Manaus—22 dms, Norda Essential Oil & Chemical Co, Manaus—6 dms, Fritzsche Bros, Manaus

SAGE OIL—2 dms, Guaranty Trust Co, Sibenik—20 dms, Irving Trust Co, Sibenik—2 dms, Bank of Manhattan, Sibenik—1 dm, National City Bank, Sibenik—6 dms, Manufacturers Trust Co, Sibenik—10 dms, Public National Bank, Sibenik

SARSAPARILLA ROOT—6 bls, Peek & Velsor, Porto Cortes

SEEDLAC—300 bgs, Wm Diehl & Co, Cal-

It's worth a thought!

★ THE CLOSURE IN A STEEL DRUM

LIKE so many other things, the closure in a steel drum is worth a thought, rather than being taken as it comes. Of course, the time to give the thought is when new drums are about to be ordered.

What Is a Drum Closure?

We, of the Rieke organization, answer that question by pointing with pride to our VISEGRIP CLOSURE. It's an *all-steel* combination of a flange and a plug. Its purpose, for those who do not know, is to close steel drums after they have been filled with their liquid loads . . . secure them against leakage from-filling-to-emptying . . . provide convenient but dependable operation . . . deliver a full load . . . and do that job without extra cost. Simply stated, for all to understand, that's our idea of a drum closure, the VISEGRIP CLOSURE, and it's really worth a thought.

VISEGRIPS are more than the way into and out of steel drums. They may be depended upon for

LEAKPROOF SEALING • RELIABILITY IN TRAFFIC

FULL-MEASURE DELIVERY • ECONOMY

The construction and operation of VISEGRIPS give them strong advantages wherever extremely wide margins of drum safety, beyond normal operating needs, are either required or desired. The manner in which VISEGRIPS are built into the drum metal makes it impossible to remove them without completely destroying the drum metal. Consequently, the precision-manufactured matched sets of steel flanges and steel plugs are installed with the kind of permanence that assures unusually strong drum service.

When a drum has been filled and then sealed with a VISEGRIP, it is truly leakproof at its closure.

The advantages of ViseGrips, the all-steel closures for steel drums, are available conveniently to all drum users. Every drum manufacturer in the United States has a stock of ViseGrip Closures and is equipped with the Rieke Dies that will build them into the drums on your orders.

SPECIFY: *Drums to be equipped with* VISEGRIP CLOSURES

VISEGRIP
CLOSURES

developed and produced for more than twenty years by

AUBURN, INDIANA **RIEKE METAL PRODUCTS CORPORATION** NEW YORK, N. Y.

cutta—300 bgs, Gillespie-Rogers-Pyatt Co, Liverpool

SESAME SEED—334 bgs, Archibald & Kendall, Cristobal

SHELLAC—250 bgs, Paul & Stein Bros, Calcutta—250 bgs, Mercantile Import & Export Corp, Calcutta—975 bgs, Wm Diehl & Co, Calcutta

SODA SILICOFLUORIDE—148 bbls, Harshaw Chemical Co, Copenhagen—111 bbls, H Sundheimer, Copenhagen—74 bbls, Innis, Speiden & Co, Copenhagen

SORVA—736 cs, Otis Astoria Corp, Manaus—263 cs, H A Astlett & Co, Manaus—51 cs, Littlejohn & Co, Manaus—51 cs, Earle Bros, Manaus—789 cs, Chicle Development Co, Manaus—44 cs, L W Dumont Co, Belem

SQUILL, RED—392 bgs, Kachurin Drug Co, Bari

TAPIOCA, FLAKE—2,000 bgs, Stein, Hall & Co, Santos—1,000 bgs, Geismar & Co, Santos—flour, 1,200 bgs, American Key Product Co, Fortaleza—3,667 bgs, Morningstar-Nicol, Inc, Fortaleza—1,000 bgs, Stein, Hall & Co, Fortaleza—1,667 bgs, Fortaleza

TONKA BEANS—56 bbls, Machado & Co, Belem

TURMERIC—53 bgs, Guaranty Trust Co, Cape Haitien

VETIVER OIL—3 dms, Trubek Laboratories, Port Prince—1 dm, Firmenich & Co, Port Prince

VETIVER ROOT—10 bls, Guaranty Trust Co, Cape Haitien

WOLFRAM ORE—144 bgs, Brown Bros-Harriman Co, Hongkong—800 bgs, Wah Chang Trading Corp, Hongkong

YACCA GUM—448 bgs, Commercial Bank of Australia, Adelaide

Baltimore

CASSIA—1,500 bls, McCormick & Co, Hongkong

CHROME ORE—1,414,575 lbs, W H Mueller Co, Lourenco Marques

CODLIVER OIL—1 dm, Bergen

COLUMBITE ORE—1,120 bgs, Lagos

COPRA—2,711 tons, Cebu—1,700 tons, Davao

FUEL OIL—24,399 bbls, Standard Oil Co N J, Aruba

GAS OIL—40,094 bbls, Standard Oil Co N J, Aruba

GUM—447 bgs, Lagos—200 cs, Singapore

KOLA NUTS—516 bgs, Lagos

MANGANESE ORE—4,500 tons, Carnegie Illinois Steel Co, Durban—5,500 tons, Carnegie Illinois Steel Co, Rio de Janeiro

NUX VOMICA—458 bgs, Saigon

PETROLEUM, CRUDE—102,106 bbls, Standard Oil Co N J, Las Piedras

WATTLE BARK—1,100 bls, Durban—Extract, 4,055 bgs, Durban

Boston

CASTOR BEANS—198 bgs, Norfolk Paint & Varnish Co, Port Prince

CASSIA—200 bls, Otto Gerdau Co, Hongkong—50 bls, D S Slade Co, Shanghai—50 bls, Arnhold & Co, Shanghai

CODLIVER OIL—100 bbls, Bergen

GLUESTOCK—187 rolls, H Remis & Co, Barranquilla—455 rolls, 54 bls, J Garvers & Co, Barranquilla

GUM, TEXTILE—60 cks, J P Marston Co, Liverpool

MANIOC MEAL—2,000 bgs, H F R Dolan, Santos—1,000 bgs, First National Bank, Fortaleza—1,800 bgs, H F R Dolan, jr, Belem

OLIVE OIL—92 dms, First National Bank, Seville

Chicago

OLIVE OIL—73 dms, Seville

Indianapolis

MANIOC MEAL—5,181 bgs, Indianapolis Brewing Co, Fortaleza

Peoria

MANIOC MEAL—1,010 bgs, Pebel Springs Distillery, Fortaleza

Philadelphia

CRESYLIC ACID—265 dms, T G Cooper & Co, Liverpool—50 dms, J H Faunce, Inc, Liverpool

GLANDS—463 pkgs, 497 cs, W J Jones & Co, Lyttleton

MANGANESE ORE—1,500 tons, E J Lavino & Co, Vizagapatan

SILLIMANITE—1,500 bgs, E I Du Pont de Nemours & Co, Cochin

Rochester

CASSIA—100 bls, R T French Co, Hongkong

San Francisco

OITICICA OIL—125 dms, S L Jones & Co, Fortaleza

WOLFRAM ORE—300 bgs, M S Cowen Co, Hongkong

Brokaw Retires From Celastic Corp.

The retirement of Roberts W. Brokaw, secretary and a director of the Celastic Corporation, Arlington, N. J., since 1926, has been announced. Benedict Van Voorhis, manager of procurement for the du Pont plastics department, will assume Mr. Brokaw's duties with the Celastic Corporation, a partly-owned du Pont subsidiary. Mr. Brokaw joined the company in 1907.

In addition to his new duties with the Celastic Corporation, Mr. Van Voorhis will continue as manager of procurement for the plastics department. He has been in purchasing activities for thirty-one years, starting at the Leominster, Mass., plant of the plastics department.

Trade Briefs

Gilbert Spruance Company, paint manufacturer, Philadelphia, plans to double its output of stains and fillers. The company is enlarging its lacquer warehousing facilities.

Schulte Paint & Lacquer Manufacturing Company, St. Louis, has purchased for future expansion an unrestricted, vacant plot at the corner of Harris avenue and Prescott street.

Rich-Marc Manufacturing Company, manufacturer of plastic radio components, has been organized in New York by Lawrence M. Braun, formerly vice-president of Electronic Corporation of America.

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Obituaries

Carl H. Beal

Carl H. Beal, one of the discoverers of the Kettleman Hills, San Miguelito and Huntington Beach oil fields, all in California, died recently in Hollywood, Cal., of leukemia. He was fifty-seven years old. Mr. Beal, who at the time of his death was a director of the Tidewater Associated Oil Company, was at one time petroleum technologist for the Bureau of Mines.

Arthur C. Curran

Arthur C. Curran, plant manager for E. Meer & Co., gums and drugs importer, New York, died September 15 at his home in West Englewood, N. J. He was fifty-eight years old. Mr. Curran, who had been active in the botanical drug industry for more than thirty years, was with S. B. Penick & Co., and the National Aniline Company before becoming associated with E. Meer.

Pierre Danco

Pierre Danco, vice-president of Gerard J. Danco, Inc., and Gerard J. Danco International Corporation, aromatic chemicals, New York, died September 18 at his home in Orange, N. J. He was seventy-five years old.

W. Maxwell Moore

W. Maxwell Moore, former general assistant treasurer of E. I. du Pont de Nemours & Co., Wilmington, Del., died in that city September 14 after an illness of four years. He was sixty-one years old.

Mr. Moore started with the Eastern Dynamite Company which subsequently became a part of du Pont. During World War I he was executive assistant to the late Colonel W. C. Spruance, assistant to the chief of ordnance.

Following the war he was, in turn, assistant to the vice-president of the du Pont Chemical Company; manager of the planning section of the service department, and vice-president of the du Pont Rayon Company. He retired from the company in 1944.

William T. Harper

William T. Harper, chairman of the board and former president of J. W. Edgerly & Co., wholesale druggists, Ottumwa, Iowa, died in that city September 16. He was seventy-eight years old.

Mr. Harper started in business with the Ottumwa Linseed Oil Works and transferred to the Edgerly company in 1890. He was named secretary of the firm in 1895 and was elected president in 1901.

G. Berry Beaumont, chairman of the board of Henry K. Wampole & Co., manufacturing pharmacists, Philadelphia, died recently. He was seventy-one years old.

James E. Cogan, sales representative for the Sigmund Ullman-General Printing Ink Division of the Sun Chemical Corporation, New York, died September 12.

Barnard H. Gronotte, salesman for Lever Brothers Company, soap manufacturer, Cambridge, Mass., died recently at his Louisville, Ky., home.

Ben Lacey Meredith, sales representative in western North Carolina for E. R. Squibb & Sons, Brooklyn, N. Y., died in Asheville, N. C., September 14 after a brief illness. He was forty-eight years old.

Brownrigg L. Norton, assistant vice-president and eastern representative of the Scullin Steel Company, St. Louis, died at Larchmont, N. Y., September 16. He was forty-five years old.

David C. Walden, chemist in the analytical chemistry department of the Connecticut Agricultural Experiment Station, New Haven, died recently in Hamden, Conn. He was forty-one years old. Mr. Walden was a son of the late B. H. Walden, an entomologist at the station.

Royden P. Whitcomb, personnel director of the New Jersey Zinc Company, New York, died September 13 at his home in Westfield, N. J. He was sixty-four years old.

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Textile and Leather Chemicals

Tight supply conditions in sizing materials continues to show a gradual easing last week. Production of potato starch is in full swing and prices were reduced sharply in view of the government subsidy on potatoes. A good volume of business was placed at the lower level for prompt and nearby delivery. Production of wheat starch was resumed last week, with producers sold well ahead. Improvement in the supply situation resulted in less consuming interest in tapioca flour. Business in this product was still held up by Brazilian embargo on shipments—and the market was merely nominal. An active demand continued to absorb cornstarch and other corn derivatives. Consumers were allotted increased quantities against former orders than heretofore, and there is less anxiety concerning supplies for nearby and forward needs, because of the large forthcoming corn crop.

Processors reduced prices of corn derivatives effective September 20, per 100 pounds, as follows:—Cornstarch 20 cents; dextrins 10 cents, and tanners' corn sugar 10 cents.

The trade awaited further details concerning the method of handling the sale and distribution of quebracho extract and other tanning materials produced in the Argentine which have been placed under government control. Cables requesting offers for shipment brought forth no response from the Argentine last week. Shipments of valonia beards and cups were offered at sharply reduced prices, but buyers showed little interest. Tanners were not seeking replacements and some stated that they may be out of the market until after the turn of the year, in view of the scarcity of hides and skins, and poor prospects for the increase of supplies during the balance of the year.

Chemicals

Alumina, Acetate — Market continued steady and unchanged. Demand was reported active for prompt nearby requirements. Stocks were not heavy and were held at former levels.

Bichromates—Consumers were taking sizable quantities against contracts. Surplus supplies were light and in active request. Export inquiry also was keen, but shipments were restricted because of limited stocks. Production of soda, bichromate and chromate totaled 6,864 tons, during July compared with 6,285 tons in June, according to the Bureau of Census.

Soda, Hydrosulphite — Production moved steadily into consumption under a good demand. Market was firm and unchanged.

Zinc Dust—Production in June totaled 2,410 tons, and stocks at the end of that month were 1,392 tons, according to the Bureau of Mines.

Sizing Materials

Albumen, Egg — Demand improved and the market was stronger. Prices were unchanged but firmer, ranging from $1.81 to $1.85 per pound, depending upon quantity. Technical was in fair demand and higher at $1.10 to $1.50 per pound, according to quality and quantity.

Egg, Yolk—Prices were firmer and advanced 3c. per pound, under an active demand and a stronger egg market. Trading was moderate, Supplies were held at $1.08 to $1.12 per pound, according to quantity.

Starch, Corn — Demand continued active against contracts and for prompt delivery. Processors were accepting business for 30-day delivery. Prices were firm and unchanged.

Starch, Potato—Placing of a government subsidy on potatoes resulted in a reduction of 2¾c. per pound. Trading was active at 7.35c. per pound, carlots, New York basis, and the output was reported sold up for the next two months. Sellers were offering at this price for delivery during the balance of the year. Less than carlots were quoted at 8.10c. to 8.20c. per pound, depending upon quantity.

Market Trends

Prices Advanced

Albumen, egg, tech., 10c. per lb.
Egg yolk, 3c. per lb.

Prices Reduced

Corn sugar, tanners, 2.1c. per 100 lbs.
Potato starch, 2¾c. per lb.
Valonia beards, $15 per ton.
cups, $2 to $10 per ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
296.1	296.2	296.2	298.0

(For Current Prices see Page 9)

Starch, Sweet Potato—Department of Agriculture announced an increase in support prices for the 1946 crop of sweet potatoes. Loan settlement rates and the prices at which purchases will be made have all been increased 5c. per bushed over those announced March 28, 1946, but no change has been made in the rate of $1.50 per hundred pounds, at which loans will be made. The new prices are designed to support a price to growers at not less than 90 percent of parity as of July 1, 1946. No other provisions of the program as announced on March 28 are changed.

Starch, Rice—Arrivals were noted at 200 bags at New York from Chile last week, and were delivered against contracts.

Starch, Wheat—Production was reported resumed last week. Producers were not offering, as production was sold well ahead. OPA price control was recently suspended.

Tapioca Flour—Trading continued stymied by the Brazilian embargo on shipments, which has been in effect during the past month. Prices were entirely nominal, as sellers were out of the market. Consuming inquiry was appreciably lessened by the lower prices for potato starch and increased supplies of other competing products. Imports of manioc meal totaled 120,000 bags at New York last week. Interest in the rejected material for industrial use was reported slow. Arrivals of tapioca flour were reported at 7,500 bags and consigned against former contracts.

Tanning Materials

Chestnut Extract—Deliveries against orders were reported in good volume, while new business was limited to actual needs. Prices were firm.

Divi Divi—Trading was slow and the market was more or less nominal last week. Consuming inquiry was quiet.

Mangrove Bark — With tanners showing practically no interest in shipments, the market continued dull last week. Quotations were unchanged.

Myrobalans—Offerings for shipment commanded little attention. Buying interest lacked improvement. Prices were unchanged and nominal.

Quebracho Extract — Business was held up by the lack of details concerning the method of offering shipments, prices, etc., by the Argentine government agencies, which have recently assumed control of the sale and distribution of tanning materials. Consuming inquiry was active. Arrivals totaled 2,600 bags at New York last week for delivery on previous contracts.

Tara Powder — This market was quiet, though inquiry was active. Offerings for shipment were limited and held above import ceilings.

Valonia—Offerings were more liberal at sharply reduced prices. Tanners showed little inquiry in replacements at the lower levels. Beards were offered at $75 per ton and beards from $50 to $60 per ton, exdock, U. S. ports, depending upon seller. Powder was quoted for shipment at 12½c. per pound, same basis.

Wattle Extract — Reports from primary centers stated that the country is in a midst of a drouth and a short production was expected. Producers were not offering and were out of the market. While inquiry was fairly active, trading was at a standstill as buyers were awaiting action by OPA on the removal of import ceilings.

For Late Market Developments, See Page 4

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Coaltar Chemicals

Stocks of basic coaltar chemicals have not increased appreciably during the past week. Steel production made a further recovery to 89.1 percent and output at present is averaging slightly ahead of the corresponding date a year ago with the production of coke proportionately higher. Export trade in coaltar chemicals has continued restricted by the maritime strike. Benzol remained available for prompt shipment and normal requirements were covered although stocks could not be called free. There was no easement in stocks of creosote oil or cresylic acid. Naphthalene felt the pressure of heavy consuming demand and both the crude and refined grades were definitely tight. Phenol stocks were shorter with the market feeling the effect of cutback production resulting from the strikebound plant of a major producer. The grades of pyridin essential to the manufacture of pharmaceuticals remained scarce for prompt shipment. Toluol requirements were covered promptly and xylol held the same favorable degree of balance recently reported.

Intermediates were generally tight. The shortage of phenol, chlorine and other chemicals needed in their manufacture combined with the absence of a major producing factor has exerted an influence not conducive to improved buying conditions.

Steel operations for the week beginning September 16 were scheduled at 89.1 percent of ingot capacity, compared with 88.5 percent in the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 89.7 percent. The present schedule is equivalent to the production of 1,570,300 net tons of steel ingots and castings, compared with 1,580,900 tons in the preceding week and 1,523,900 tons for the corresponding week in 1945.

Basic Products

Benzol—Stocks of benzol are not free at the present time. The market has continued to show a fair degree of balance and material remained available for normal requirements. The movement of nitration and industrial pure was heavy, with shipments of the motor grade maintaining a satisfactory seasonal average. Total sales of nitration benzol in July were placed at 4,525,590 gallons, a gain of 41.7 percent over the preceding month, according to the Bureau of Mines. Export demand was active, with shipments restricted last week by the maritime strike.

Coaltar — Demand has exceeded production and the market has shown no sign of easement from its former tight condition. Production has been shipped steadily to meet essential requirements, thereby preventing any effort to build up inventories.

Creosote Oil — Production heavily sold on contract with buying conditions exceedingly tight. It appears that the wood-processing industry will easily take all material made available over the last quarter. Sales of crude in July were officially placed at 2,761,571 gallons, a gain of 59.3 percent over June. Total sales from January through July were 13,630,948 gallons.

Cresylic Acid—About as tight as noted at the beginning of the month. Production is exceeded by demand and there is not enough material being imported to restore balance. Foreign arrivals last week amounted to 907 drums, all from Glasgow and Liverpool.

Naphthalene — Heavy demand for purified crude for the manufacturers of phthalic anhydride has prevented any easement in the crude supply situation. An active demand for refined for use in intermediates, waxes, tanning agents and for household and institutional requirements has exceeded production and left the refined grades exceedingly tight.

Phenol—Cutback production is under pressure for shipment to manufacturers of phenol formaldehyde resins, dyestuffs and chemicals. The urgent demand from these industries has exceeded current output and placed the market in a definitely tight position.

Pyridin—Market conditions have not changed much so far this month. Stocks of crude are short, more particularly in the grades essential for the manufacture of pharmaceuticals.

Toluol—Enough toluol continued available to meet current requirements of the enamel, lacquer and other consuming industries without difficulty. It was pointed out, however, that the supply while comparatively free is not of a character reaching burdensome dimensions. July sales of the nitration grade amounted to 899,852 gallons, a gain of 64.2 percent. over June.

Xylol—Managed to maintain a fair degree of balance throughout the past week. Consuming demand from the lacquer industry was steady, as was also the call for uses in enamels, varnishes and organic chemicals. Sales, covering all grades in July were placed at 448,623 gallons by the Bureau of Mines, a gain of 11 percent. over the preceding month.

Chicago, Sept. 20.—The coaltar bases market was steady, with a moderately good volume of material moving into the hands of buyers. Benzol in particular held firm. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed, 15c. per gallon; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 22c.; 2-degree toluol, same basis, 22c.; solvent naphtha, same basis, 22c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Stringency in phenol has kept production of cyclohexanol down and this has affected the output of cyclohexanone. Essential requirements for solvent uses have been covered without leaving excess stocks available. Demand for cyclohexane was reported moderate with possibilities of a gradual decline in consumption as the importations of natural rubber increase.

Coaltar Acids

Anthranilic—Buying conditions have shown no appreciable improvement with the advance of the month. Production is sold principally to regular consumers who manufacture dyestuffs and there is relatively little stock available for other requirements.

Benzoic Technical—Market conditions have tightened under smaller production. Not likely to be improvement in the situation until output is increased.

Broenner's — Production has remained down with one of the producers inactive for more than three months. Supply position continues tight.

Fumaric—In a similar position to Broenner's only the demand is heavier owing to the use of this acid in synthetic resins. Stocks definitely short of requirements.

H—Can't improve its position as long as one of the major producing plants remains closed by labor difficulties. Not enough stock to supply requirements for home or export at present.

Maleic—Buying conditions appear

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
128.2	128.2	128.2	127.8

(For Current Prices see Page 9)

Coke By-Products

Estimates of by-product coke-oven operations in the week ended Sept. 13 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	1,103,900
Ammonia sulphate	lbs.	28,585,200
Benzol	gals.	3,602,200
Coaltar	gals.	13,363,000
Creosote oil	gals.	743,630
Naphthalene	lbs.	17,662,400
Phenol	lbs.	209,160
Toluol	gals.	720,044
Xylol	gals.	162,680

For Late Market Developments, See Page 4

Koppers offers three closely-cut tar base fractions distilling above Pyridine and below 160°C.—

1. Refined alpha-Picoline distilling completely within 2°C.
2. Refined 2,4 Lutidine distilling completely within 2°C.
3. Refined mixed Picolines distilling 95% (2-97%) within 3°C.

3 Closely-cut Tar Base Fractions

Properties (Pure Compounds)

	Alpha-Picoline	*2,4 Lutidine*
Molecular Weight	93.12	107.15
Freezing Point	−66.55°C.	below −60°C.
Boiling Point	129.4°C.	158.3°C.
Specific Gravities at 25°/4°C.	0.940	0.927
State	Liquid	Liquid

3° Refined mixed Picolines consist of approximately 1/3 each of beta-Picoline, gamma-Picoline and 2,6 Lutidine; true boiling points 143.8°C., 143.1°C. and 143°C. respectively.

Solubilities

Alpha-Picoline, beta-Picoline, gamma-Picoline and 2,6 Lutidine are very soluble in water and completely miscible with alcohol and ethyl ether. Refined 2,4 Lutidine is soluble to the extent of about 20% in water and very soluble in most organic solvents such as alcohols, hydrocarbons, ketones and ethers.

KOPPERS COMPANY, INC., Koppers Building, Pittsburgh 19, Pa.

K KOPPERS

THE INDUSTRY THAT SERVES ALL INDUSTRY

to be growing tighter with each successive week. Requirements for protective coatings and synthetic resins are difficult to satisfy with production cutback.

Other Intermediates

Anilin Oil—Available under limitation. Steady consumption in the chemical, intermediate and dyestuff industries has kept stocks down. Better distribution of benzol has been neutralized to some extent by cutback production resulting from labor difficulties.

Anthracene — Shipments reported for use in anthraquinone, dyestuffs and tanning agents. Stocks have remained at a relatively low level.

Dimethylanilin—Consuming demand has prevented any material improvement in buying conditions. Production said to show gradual expansion but not enough to ease the market's condition.

Diphenyl—Stocks short with regular consumers getting most of the material available. Production down on account of labor difficulties.

Orthodichlorobenzene — Stringency in chlorine said to be curtailing production of this intermediate at present. Short stocks have been instrumental in maintaining a definitely tight market situation.

Paradichlorobenzene—Short on account of irregular production resulting from the stringency in chlorine.

Phthalic Anhydride—Manufacturers of synthetic resins and ester-type plasticizers for lacquers have taken the major part of current production and left the market in a distinctly tight position. Cutback output resulting from the prolonged closing down of a major producing plant by labor difficulties has greatly aggravated the present supply situation.

Coaltar Colors

No easement in the demand for coaltar dyestuffs was reported. The ability to secure basic chemicals and intermediates has been the regulating factor in production and present conditions do not favor any unusual expansion. The current tight position of supplies has led to the importation of small lots of anilin dyestuffs from Havre. Export trade has been tied up temporarily by the maritime strike but there was no falling off in the export inquiry.

APC Tightens Control On Vested Key Firms

OPD Washington Bureau

General Order No. 35 has been issued by Alien Property Custodian James E. Markham prohibiting any interest in stock in designated key corporations, seized by the APC, from being transferred to or acquired by any person not an American national.

In issuing the order, Mr. Markham explained that in many instances shares of stock in domestic corporations seized by the Alien Property Custodian during the first World War and, subsequently sold by him to Americans, were found at the time of World War II to have again come under enemy ownership and control as the result of intermediate sales or transfers.

Du Pont Names Dunbar To Semesan Div. Post

Appointment of James H. Dunbar, jr., as assistant sales manager of the semesan division of E. I. du Pont de Nemours & Co., was announced last week. Mr. Dunbar has been district sales manager in the New York office of the Remington Arms Company since his return from military service in December, 1945.

Morningstar, Nicol Buys Building It Occupies

Morningstar, Nicol, Inc., starches, dextrins, and related materials, has bought the buildings fronting at 627-629 West Fiftieth street and 622-630 West Fifty-first street, New York, in which it has been a tenant. These are two six-story buildings with an aggregate floor space of 110,000 square-feet. They formerly were owned by the Gottfried Baking Company.

For COAL CHEMICALS

check with BETHLEHEM

BENZOL (nitration, industrial, motors)

TOLUOL (nitration and industrial)

XYLOL (industrial)

CRUDE HEAVY SOLVENT NAPHTHA

CRUDE NAPHTHALENE

CRUDE PYRIDINE

Available from plants at Sparrows Point, Md., Lackawanna, N. Y., Bethlehem and Johnstown, Pa. Nearby points served by convenient tank-wagon delivery.

Other Bethlehem products for the chemical industry:
Forged pressure vessels • Chemical-plant equipment • Sheets • Alloy studs • Hot-forged nuts • Pipe • BethColite (hot-dipped tinplate) • Electrolytic tinplate • Special-coated manufacturing terne plate • Black plate

For particulars write or call Bethlehem Steel Company, Bethlehem, Pa., or nearest district office.

BETHLEHEM STEEL

Farm Chemical Needs

—Continued from page 7

more then twice the quantity of plant food as in 1921.

This shift, Mr. Lockwood said, was due to the change from higher to lower cost materials. He added, that one change was in nitrogen sources, away from natural organics to lower unit priced inorganic chemicals. Another, he said, was the increase in plant food content of fertilizer.

R. Leonard Hasche, of the Tennessee Eastman Corporation, in an address on "The Development of the German Chemical Industry," traced the history of the German chemicals and told of the influence of the I. G. Farbenindustrie in German chemical production. In discussing current activities in Germany, Mr. Hasche said:—

In the British zone the I. G. Leverkusen plant has been taken over by the British and is being operated as a unit of the Imperial Chemical Industry. This is probably the richest plant of the I. G. Since the time when it was the former Friedrich Bayer & Co., it has grown immensely wealthy from its dyestuffs and pharmaceutical business as evidenced by the opulence of its offices, research laboratories, and expensive villas built by the company for its executives.

During the war there was added to the plant a large synthetic rubber research laboratory and a photographic paper plant. The British are now planning on the construction of a plant there for the manufacture of photographic film. At Knapsack, across the Rhine from Leverkusen, is the largest plant for the manufacture of calcium cyanamid. We visited it in July, over a year after V-E Day, and no decision had been made regarding putting the plant into operation for fertilizer manufacture. It is estimated that six months would be required to repair the bomb damage.

French Zone

In the French zone the largest I. G. plant, the one at Ludwigshafen, has been taken over by the French Government and given its old name—the Badische Anilin und Soda Fabrik. It is operating at approximately 30 percent capacity. The vinyl chloride plant at Rheinfelden, also in the French zone, is being operated at full capacity to produce material for manufacture of products for the German population. The French are proud of the fact that they are now withdrawing from the zone sufficient material and production to pay for the cost of occupation.

In the Russian zone but little of the chemical equipment has been removed. The Leuna synthetic gasoline plant is reported to be operating at 35 percent capacity and the synthetic rubber plant at Schkopau at about 50 percent capacity.

In the American zone no activity of any importance has been started in the chemical plants. The large solvents plant at Hoechst, which prewar supplied most of the European demand, is inactive, although we were told in France and in England that they were in dire need of solvents such as methylene chloride, acetone, and various esters.

We were told in visiting the Rohm & Haas plant at Darmstadt that the authorities had given permission to start up operation of polymethyl methacrylate needed for a period of three months to produce material for dentures. Another part of the plant which was undamaged was running full capacity in producing washing powder. Soap, at the present time, is one of the scarcest articles in Germany.

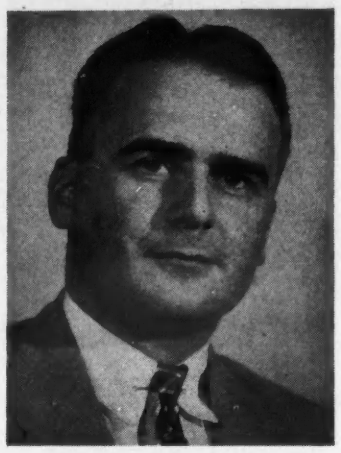
Oldsbury Electro-Chemical Moves New York Office

The Oldsbury Electro - Chemical Company has moved its New York office to 19 Rector street. The new telephone number is Whitehall 4-3920.

Scar-Lipman Moves

Scar-Lipman & Co., fertilizer materials and essential oils, has moved its offices from Irvington, N. J., to 420 Lexington avenue, New York. The new telephone number is Lexington 2-6850.

Assigned to Detroit



L. Kent Wyatt has been appointed assistant district sales manager of the Detroit office of the Grasselli Chemicals Department of E. I. du Pont de Nemours & Co., Wilmington, Del., rather than the Chicago office as erroneously reported in the September 9 issue of the REPORTER.

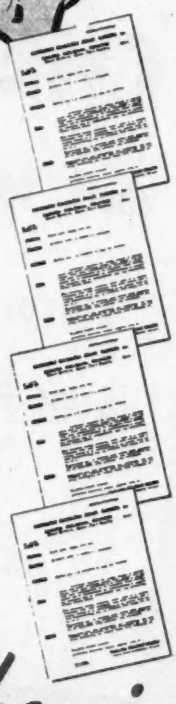
FOR DEPENDABLE SUPPLY AND SERVICE

PLACE 1947 CONTRACTS EARLY!

for SPENCER

INDUSTRIAL (NH_3) ANHYDROUS AMMONIA

Now is the time to contract for your 1947 requirements of Spencer Industrial Anhydrous Ammonia (NH_3) and assure your future production schedules for the manufacture of *Fertilizers, Explosives, Petroleum Products, Chemicals, Sulphuric Acids, Rayon, Wood Pulp Treating, Refrigerants . . .*



CONTRACT orders mean a sure supply of 99.5% pure Spencer Anhydrous Ammonia.

CONTRACT orders mean prompt delivery throughout 1947.

CONTRACT orders mean price protection—full protection against market fluctuations.

CONTRACT orders mean good business—enable you to reduce inventories and plan with certainty for orderly economical production.

Spencer Chemical COMPANY

General and Sales Offices: Dwight Building, Kansas City 6, Mo.
Works: Pittsburg, Kansas

CHEMICALS

ON CONTRACT . . . ON SCHEDULE . . . ON TIME

SOCMA Adds Six To Membership Roll

The Synthetic Organic Chemical Manufacturers Association began its 1946-7 luncheon series in the Commodore hotel, New York, with a record attendance of sixty-three.

A concise review of recent events and activities was given by President Ralph Dorland, of the Dow Chemical Company. Reports on patents, tariff bargaining and other matters were briefly presented by the respective committees.

The membership committee reported the admission of the following new members:—

Advance Solvents & Chemical Company, Commercial Solvents Corporation, Charles Pfizer & Co., Tennessee Products Corporation, Thiokol Corporation, U. S. Industrial Chemicals, Inc.

Du Pont Names Wood Asst. Chief Engineer

E. I. du Pont de Nemours & Co., Wilmington, Del., announced the appointment of Melvin F. Wood as assistant chief engineer. He succeeds Granville M. Read, who became chief engineer with the retirement of Everett G. Ackart. Mr. Wood has been manager of the design division of the engineering department since 1945 and has been with Du Pont since 1928.

Fertilizer Imports Monopolized in Peru

The Peruvian guano monopoly, which heretofore has confined its operations to the production and distribution of that material, is now authorized to import and sell all kinds of fertilizers. All such imports are exempt from duty and, according to information from the United States Embassy at Lima, will be sold at cost.

Hynes Sales N.A. Div. Changes Name

The North Atlantic Division of the Hynes Sales Company, New York, has announced the change of its name to Slifer-Weickel-Williamson, Inc. Officers of the division include Herbert I. Slifer, president, George Weickel, vice-president, and Wilbert L. Williamson, secretary-treasurer.

Trade Briefs

Commerce and Industry Association of New York has issued a list of more than 1,000 articles exempted or suspended from Office of Price Administration ceilings in the period June 15 to August 20. It supplements those previously prepared by the association covering articles decontrolled through June 15.

John W. Mighton, recently released from the navy after three years of service, has joined the magnesium sales staff of the Dow Chemical Company. Mr. Mighton, a metallurgical engineering graduate of Carnegie Institute of Technology, is working in the Midland office on sand and permanent mold casting orders.

Agricultural Chemicals

Activity has been confined mostly to the basic fertilizer chemicals including ammonia sulphate, potash and superphosphate. There was also an active demand for ammonia nitrate, but nitrate of soda remained seasonally quiet with renewed activity expected after the turn of the year. Production of packing-house byproducts touched a new low level and trading was consequently restricted. An advance in the ceiling price of castor beans gave the impression that higher prices for castor pomace might be established.

Fertilizer tax tag sales totaled 367,000 equivalent tons in August, 1946, and were 22 percent above the sales a year ago and 42 percent higher than 2 years ago, according to The National Fertilizer Association. There was an increase of 48,000 equivalent tons in the Southern States with 8 of the 11 States reporting larger sales than a year ago. The increase amounted to 17,000 equivalent tons in the Midwestern States with larger sales reported in Indiana, Illinois and Kentucky more than offsetting the declines reported in Missouri and Kansas. Considering the record-breaking tonnage of a year ago, the increase in the sales of tax tags this year is even more remarkable when one realizes the transportation and labor shortages encountered by the fertilizer industry, as well as the tight situation in fertilizer material supplies.

Total superphosphate disposed of during July was 13 percent under a year ago, according to NFA, just about the same as July, 1944, but 22 percent higher than July, 1943. In the first seven months of this year it amounted to 3,574,000 tons and was 8 percent higher than for the corresponding period a year ago. During July stocks rose 18 percent and were 163,000 tons greater than they were at the end of May when they hit the extremely low point of 302,000 tons. However, stocks are still 19 percent under those at the end of July a year ago.

Nitrogenates

Ammonia Sulphate — Production is moving steadily for mixing purposes under a heavy demand. The market remained firm at the recent advance. Amendment 16 to RMPR 205 states that the maximum price delivered to any dertination in Washington, Oregon, California and Utah shall be $36.50 per ton in bulk and $38.00 per ton in bags, provided that any shipment made to destinations in Washington and Oregon where the freight charges exceed $7.21 per ton from Ironton, Utah, to such destination, such excess freight changes may be added. Freight charges in excess of $4.53 per ton may also be added to shipments from Shell Point, California to destinations in California and Arizona.

Castor Pomace — Producers experienced some difficulty in moving castor beans during the early part of the week on account of transportation difficulties and it was feared crushing operations might be curtailed. According to trade reports, efforts have been made to secure higher ceilings for pomace. Meanwhile, the market has remained bare of supplies.

Dried Blood — This material along with tankage and hoof meal has continued in exceedingly light supply with output at the lowest level in recent years. Only an occasional odd lot has been offered by producers.

Fish Scrap—According to trade reports, menhaden fishing operations are coming to a close off Long Island and New Jersey shores. It appears the overall catch has averaged fair with future hauls depending mostly on weather conditions. Sellers have hesitated about offering scrap at prices current and it is stated that the movement to midwestern points has been temporarily curtailed.

Soda Nitrate—Shipments for industrial use are reported normal for this period of the year. The market for domestic is firm backed by a slight advancement in the price of the basic

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
72.1	72.1	72.1	71.8

(For Current Prices see Page 9)

order. Ships are afloat with imported nitrate and stocks have been maintained at the various ports. It is expected that importations will increase substantially after the first of the year in order to take care of agricultural requirements.

Phosphates

Phosphate Rock — Production has been kept at a high level in an effort to meet current demand, but has continued less than requirements. A new record was made last year, when 5,399,739 long tons were produced, with Florida the largest contributor. It is expected that heavy production in the United States will be maintained until recovery of output in foreign countries is restored. Meanwhile, the market has remained in a definitely tight condition.

Superphosphate — Market position continued firm, with sales reported at 76c. per unit-ton in this area and at 70c. in Baltimore. Demand from acidulators has remained steady and sufficient to keep available stocks at a relatively low level.

Potashes

Allocations for new mixing plants have not come through yet, although it is understood that the government is making investigations as to just how much potash those plants will require. General demand is active, with mixers eager to secure prompt shipments in order to avoid possible boxcar shortage.

Approximately 285,000 metric tons of potash fertilizers were produced in the British-occupied zone of Germany up to July 1, according to foreign advices. Exports through that date amounted to 62,000 tons—22,000 to the Netherlands, 17,000 to the United Kingdom, 16,000 to Belgium, and 7,000 to Denmark.

Insecticides

Market situation has assumed a relatively quiet condition. While more nicotine sulphate, rotenone and some of the arsenical chemicals could have been used, it appears that most essential requirements were covered. Meanwhile, enough is already definite to repeat that early buyers experienced the least difficulty in securing shipments. Under present conditions it is apparent that orders should give plenty of latitude on shipping dates as an insurance for future requirements.

Sulphur and Pyrites

Production has continued steady and is reported to have exceeded demand during the first eight months of this year. Consuming inquiry is described as excellent. The movement from mines has been satisfactory with few irregularities experienced from boxcar shortage to date. The outlook for transportation is not favorable as an expected shortage of some 75,000 boxcars are expected during October and November with Spring prospects equally dubious. Pyrites found an outlet to regular consumers at unchanged prices.

Markets at Other Centers

Baltimore, Sept. 20.—No modifications have taken place in the situation with respect to the market for crude fertilizer materials, which continue in demand as strongly as before on the prospect that they will be needed after the growing to cover Spring requirements.

Chicago, Sept. 20.—Interest in fertilizer materials has caused business to hold up fairly well in the aggregate, although with prices back at the old ceiling levels in general, it appears that volume of material available is suffering, and that offerings are falling behind.

For Late Market Developments, See Page 4

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
MURIATE OF POTASH
62/63% K2O ALSO 50% K2O
MANURE SALTS
22% K2O MINIMUM
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OF POTASH

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This has been PCA's busiest year; also its biggest.

We're proud of our 45-46 record and of the growth this year has brought. Also we're proud of our friends in the fertilizer industry. We say "thank you" for your confidence, your patronage, and the pleasant relationships we mutually enjoy. We pledge our best efforts to continue to deserve them.

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Three "musts"* in the making of a cough medicine!

* *fine chemicals of measured purity*

* *your technical skill in manufacturing*

* *rigid laboratory control in your plant*

Every year, millions of bottles of cough medicines are used by the American people–to soothe irritated throats and to relieve coughs.

Leading pharmaceutical manufacturers of cough medicines exercise extraordinary care in making these products, so that they may be not only efficacious but palatable as well.

And in that making, there are three vitally important "musts":

–selection of the most uniform fine chemicals, which are important ingredients in a cough medicine.

–scientific compounding and processing of all the ingredients to achieve a quality finished product.

–rigid laboratory control, including testing of all raw materials, and constant testing of the manufactured product itself.

The first of these "musts" is of great importance to manufacturers of cough medicines.

Choosing fine chemicals with purity to the decimal, makes the manufacturer's job easier all the way.

When you specify any Baker fine chemical, you specify quality *at the beginning* and you get it. Both your compounding and your laboratory control are simplified. You have quality insurance for your products.

For more than 40 years, the J. T. Baker Chemical Co. has built its chemical business on measured purity. That is why leading pharmaceutical and drug companies choose Baker as a source of supply. They know that Baker's "purity by the ton" in fine chemicals is the result of unique control methods and ceaseless testing.

J. T. Baker Chemical Co., *Executive Offices and Plant:* Phillipsburg, N. J.; *Branch Offices:* New York, Philadelphia and Chicago

Baker's
FINE CHEMICALS

Drugs and Fine Chemicals

Price features in the market for drugs and fine chemicals were all advances last week; they came in butyl acetate and alcohol produced at points other than Illinois and Indiana and accorded with the new Office of Price Administration pricing formula for such producers. Also, resin podophyllin was raised to reflect the higher cost of production. Finally, the import prices on castor beans and oil were upped. Strikes affected the New York area most of the time since the last writing. Ships in foreign and coastwise trade were tied-up by striking marine workers, though at midweek the CIO marine unioneers stopped picketing ships served by AFL unionists. Striking truckers went back to work on Wednesday after sixteen days during which transportation trucks had stood idle. So far as Metropolitan New York was concerned, needed merchandise usually failed to reach needy buyers.

During the week, it was learned that the glycerin producers in this country had no request for price relief on file with the Office of Price Administration. Which fact, however, added not a pound of the extremely scarce glycerin nor did it increase in the least the availability of more fats and oils to make larger quantities of soap, a development upon which depends any increase in domestic glycerin output. Meanwhile, foreign glycerin continue to sell at prices sensationally higher than the domestic industry may charge.

Quicksilver arrived from Spain last week. None had come from that country for a very long time and it may be that the rather large arrivals from Italy spurred the Spanish government from lethargy in its quicksilver export trade. Domestic metal remained firm and the recent spot advance was maintained.

Demand for drugs and fine chemicals was declared to be very active. Seasonal medicinals came in for an excellent gain in buyer interest and stocks were found to be only moderately satisfactory when compared with the total volume of request. This business, in addition to the good call for technical consuming requirements made it a noteworthy week.

Market Trends

Prices Advanced

Butyl acetate, normal, fermentation, not produced in Ill. and Ind., 2.1c. per lb
Butyl alcohol, normal, fermentation, not produced in Ill. and Ind., 1.8c. per lb
Castor beans, $47 per long ton,
Castor oil, tanks, 5.2c. per lb.
drums, 5¼c. per lb.
Podophyllin, $1.75 per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
219.4	219.4	219.5	204.1

(For Current Prices see Page 9)

Acetone—Demand was brisk and somewhat ahead of the call during recent weeks. The undertone of the market was very firm and prices were thoroughly well maintained at levels considered to be attractive from the standpont of manufacturing consumers.

Acid, Boric—Industrial consumers were prompt takers of tenders made against outstanding contracts. The market was firm in undertone and in an apparently well stabilized position as to price and requirement.

Acid, Camphoric—Reports of this acid manufactured from natural camphor have been current but none of the regular suppliers were able to confirm the immediate availability of the material. This was because they have not received natural camphor through the war years.

Acid, Nicotinic—Prices on this acid were retained unchanged, although a reduction in niacinamide was made during the previous trading period. Demand was steady, if also routine.

Acid, Salicylic—Stocks were kept low by the fact that one of the largest producing plants remained struck by labor troubles. The situation was more than reasonably tight and all demand could not be filled promptly.

Acid, Tartaric—Demand was excellent and supplies were more readily obtainable since more raw material has increased the available supply. Values seemed to be quite firm.

Alcohol—The Office of Price Administration has amended MPR 28 so that as amended it becomes possible to sell ethyl alcohol made from potatoes to be sold free from price control. This applies to material made in the East and in the West. New price schedules to cover pure ethyl alcohol and all forms of denatured material have not been announced yet.

Amyl Acetate—Supplies continued in tight position and demand was ahead of, the available supply. The undertone of the market was exceptionally firm. This applied for the most part to the two varieties of the article subject to merchandizing.

Butyl Acetate—Under the pricing formula provided by the Office of Price Administration for producers of normal formentation material manufactured in points other than Illinois and Indiana, higher values must now be paid by the customers of such manufacturers. The tank price has become 19.8c. per pound; drums, carlots, 20.8c.; less carlots, 21.3c.

Butyl Alcohol—Normal, fermentation butanol made at points other than Illinois and Indiana has been raised in price under the formula allowed such manufacturers by the Office of Price Administration. Tank cars now stand at 20.6c. per pound; drums, carlots, 21.6c.; less carlots, 22.1c.

Brucine—Demand was moderately active but the market held firm because of the short supply and the necessity for depending on importers for the major part of domestic requirements.

Camphor—The long standing prices on synthetic material were still unchanged last week notwithstanding the higher prices now being paid for basic raw material. No natural camphor is offered by normal suppliers of such materials. Offerings have been received from London but at prices higher than buyers here will pay.

Castor Oil—Higher ceiling prices on castor beans from Brazil and higher ceilings on No. 1 and No. 3 grades of castor oil were reported on September 17 by the Office of Price Administration. Beans to arrive at the first United States point or port on the Atlantic or Gulf coasts were raised to $165 per long ton, cif those points. The price cif Pacific coast ports was up to $167.18 per long ton.

The action by OPA raised prices 5.2c. per pound on USP oil in tanks, making the market 19.5c. per pound. Packed in drums the oil costs 5¼c., more and carlots stand at 20¼c., while less carlots becomes 21c. The No. 3 quality in tanks now stands at 19.20c.; drums, carlots, 20c.; less carlots, 20¾c.

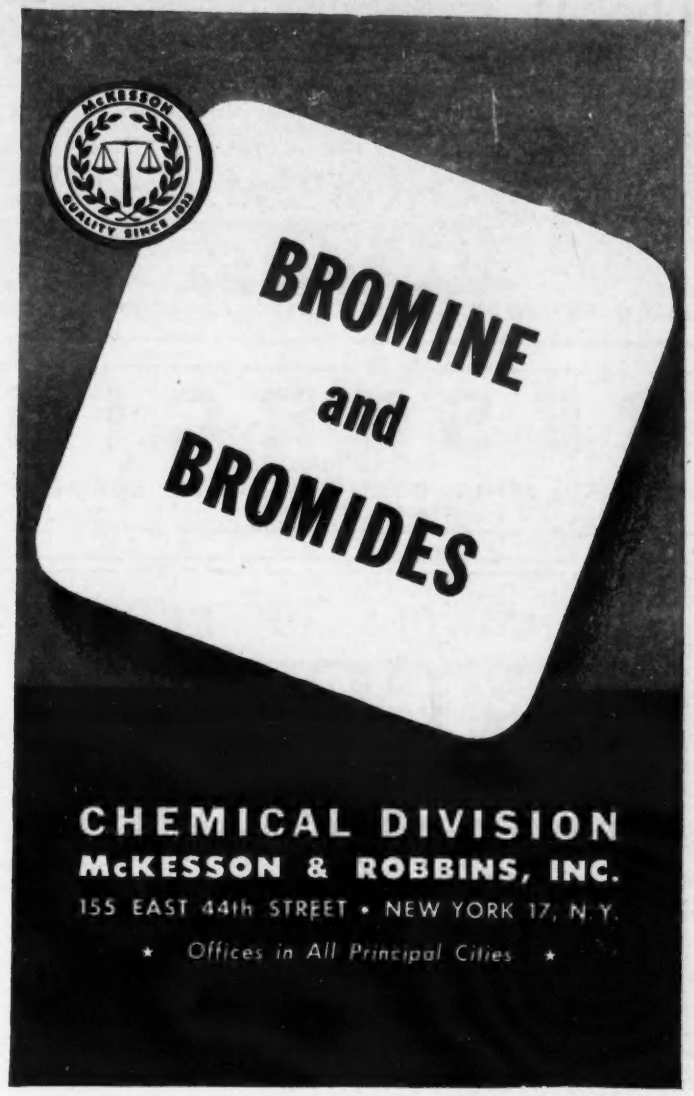
During the past week, arrivals of castor beans totaled 15,709 bags, or 2,356,350 pounds, which compares with 83,424 bags, or 12,513,600 pounds in the corresponding week a year ago. Total arrivals since January 1 this year are now 930,466 bags, or 139,569,900 pounds, which is far less than the total of 1,332,723 bags, or 199,908,450 pounds during the corresponding period in 1945.

Chicago, Sept. 17.—Castor oil prices are:—Cold pressed, U.S.P., 15c. per pound, returnable drums, carlots; 15¾c., drums, less than carlots; tanks, 14¼c.; No. 3, extracted, 14¾c., drums, carlots; 15c., drums, less than carlots; 14c., tanks.

Codliver Oil—Demand has freshened. Seasonal requests for medicinal oil are gaining and the improvement in demand finds sellers in a good position to supply needs on a prompt delivery basis. Prices are very firm and in some quarters had an upward tendency that appears to reflect the present strong position of quotations in most foreign markets. Arrivals last week totaled 1,691 drums.

Creosote—Movement to distributors and manufacturing consumers showed a tendency to increase along seasonal

For Late Market Developments, See Page 4



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1-methyl-3-dimethyl-cyclohexanol-(5)
A homologue of meta Menthol
White crystals with characteristic cooling effect and odor of natural Menthol. Toxicity reports available showing that the effect on the skin and the acute toxicity of Cyclonol are no greater than those of Menthol U.S.P.
Originally introduced as a substitute for Menthol; Cyclonol is now widely accepted as a primary material on its own merit.
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AMINOPHYLLINE U.S.P.
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CHLORBUTANOL U.S.P.
CINCHOPHEN & SALTS N.F.
IODOXYQUINOLIN SULPHONIC ACID
NEO CINCHOPHEN U.S.P.
OXYQUINOLIN BENZOATE
OXYQUINOLIN SULPHATE
POTASSIUM OXYQUINOLIN SULPHATE
PHENOBARBITAL U.S.P. & SALTS
PENTOBARBITAL SODIUM U.S.P.
THEOPHYLLINE U.S.P.
DIACETYL
PHENYL ACETIC ACID
BENZALDEHYDE
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lines and supplies wherewith to meet the call are not overly sufficient. Undertones were very firm in all directions.

Emetine—Arrivals of raw material have been more frequent of late but at the very best such arrivals were relatively small. Hence, the position of emetine remains very firm and conditions favored their maintainence free from competition.

Fishliver Oils — All fishliver oils have been decontrolled as to price since the Secretary of Agriculture did not include them in his list of materials in short supply. It appears that any vitamin preparation that contains fishliver oils to an extent of a third or more by weight or volume is decontrolled at all levels of distribution.

Glycerin—The Office of Price Administration has declared that no request for price relief has been placed before it by the domestic glycerin manufacturers. Reports recently current on spot indicated that such a request had been filed. During the past week, 15 drums reached here from Antwerp, Belgium, and 41 drums came from Jamaica. The domestic market continued to be subject to the shortage of fats and oils, that cuts production of soaps, that reduces the recovery of crude glycerin, that curbs the output of refined material.

Chicago, Sept. 17.—**Glycerin** prices are:—C.p., tanks, 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17½c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure, 18c. per pound, tankcars; 18½c., drums, carlots; 18¾c., drums, less than carlots.

Menthol — Prices on natural menthol appeared to have turned firmer without having been actually advanced. Sellers were slightly more reserved since it will be many months before another crop will be forthcoming from Brazil. Meanwhile, some Chinese menthol has been reaching this market and some former operators in Japanese menthol expect production of the article to be resumed during the next year.

Mercurials — The entire market remained steady. Raw material has been firmer at slightly higher prices in the past two weeks. Demand for mercurials was routine but productive of an excellent volume of sales of the major items.

Podophyllin—Production costs have risen sufficiently to force prices on this resin to the minimum basis of $12.50 per pound.

Quicksilver — The recently firmer undertone and slightly higher price continued last week. Supplies of domestic material were reported to be none too plentiful at the mines and the outmovement prevents creation of a normal reserve at the source. During the past week, Spain appeared as an exporter of this metal, 4,000 flasks having arrived here from Cadiz.

San Francisco, Sept. 18.—No changes were reported in the quicksilver market here this week. Prices were firm. Producers were quoting metal between $95 and $96 per flask, f.o.b. this city.

Quinine — A cinchona office has been established in the Belgian Congo. A legislative ordinance a year ago transferred the sole rights for sales and exportations of cinchona bark from the Arabica Coffee Office to the new Cinchona Office, effective as of November 1, 1945, according to a U. S. government report of September 7, 1946. The Cinchona Office is seated at Costermansville and its zone of action covers all territories of the colony and Ruanda-Urundi. Collection of remuneratory taxes is authorized, same to be fixed at least once a year by ordinance.

Silver — July production of silver nitrate totaled $3,685,000 ounces, compared with 3,851,000 ounces produced in June, according to the latest production figures released by the Bureau of the Census.

Aralen Output Started At Winthrop Plant

Production of aralen in tablet form on a large scale is getting underway at the Rensselaer, N. Y., plant of the Winthrop Chemical Company, New York. It is anticipated by the company that production will be sufficient to meet future requirements within the next six months. Approval for distribution of the drug, used for malaria, recently was given by the Food and Drug Administration.

Trade Briefs

Carmel Laboratories has been organized in New York to manufacture pharmaceutical products and chemicals.

Refresco Company Inc. has been formed in New Rochelle, N. Y., to manufacture pharmaceuticals and chemicals.

Hebo Laboratories has been organized in Queens, N. Y., to manufacture pharmaceutical products and chemicals. James M. Fassett, Ruth L. Hathaway and Lewis J. Alessio are the directors.

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Penn. Salt Adds To Research Staff

The Pennsylvania Salt Manufacturing Company, Philadelphia, recently announced that I. R. Mockrin, former research engineer with Battelle Memorial Institute, and W. A. Blum, recently with the Tennessee Valley Authority, have accepted appointments to its research and development department.

Other additions to the technical staff at the company's Whitemarsh research laboratories include W. A. Millsaps, formerly with Chemical Warfare Service at Edgewood Arsenal, A. J. Baldi, recent University of Pennsylvania graduate, and Miss A. L. Nicholson, former librarian for the development department, Naugatuck Chemical Division of the U. S. Rubber Company. George T. Collins has been appointed manager of the market research department of the company.

L. I. Hedgepeth, technical assistant to the vice-president of the company, has been employed as executive secretary of the Virginia Water Control Board. Mr. Hedgepeth, former manager of the company's technical service, has been responsible for technical work in water purification, sewage disposal and stream pollution abatement since August, 1929.

F.J. Lueders Joins Firm's 25-Year Club

Frederick J. Lueders, president of George Lueders & Co., essential oils, New York, was recently inducted as the thirty-eighth member of the firm's twenty-five-year organization. Mr. Lueders was presented with the same twenty-five-year service pin given the founder of the company when he was admitted to the organization.

The presentation was followed by a luncheon at the Drug and Chemical Club.

To further honor Mr. Lueders, as well as to welcome returned veterans and belatedly celebrate the sixtieth anniversary of the company's founding, which occurred last year while many employees were serving in the armed forces, a dinner and dance were held at the Hotel Astor, New York. The entire group of employees was present at the affair, and representatives of the company's branches in Chicago, Mexico City, Milwaukee, Montreal, Philadelphia, San Francisco, and St. Louis were in attendance.

Montrose Chemical Forms New Firm in California

The Montrose Chemical Company recently announced plans for expansion on the West Coast. The new affiliate, to be known as the Montrose Chemical Corporation of California, with its plant at Los Angeles, will devote its entire capacity to the manufacture of technical DDT for use by manufacturers of agricultural, livestock, and household insecticides.

R.Kay-New York Adds Morrell to Drug Staff

Edward R. Morrell has been placed in charge of the drug and chemical department of the export-import firm of R. Kay-New York, Ltd. He recently was released from the armed forces.

Trade Briefs

Syracuse Medicine Company, Syracuse, N. Y., has filed a certificate of voluntary dissolution.

S. Hayden Drug Company, Staten Island, N. Y., has filed a certificate of voluntary dissolution.

Arthur C. Brown has been appointed sales manager of Diadem, Inc., Leominster, Mass.

DuL'te Chemical Products, Los Angeles, will erect a new factory building in that city at a cost of $6,000.

Nyal Company has named Frank C. Finch sales representative for southern California, Nevada and Arizona.

E. I. du Pont de Nemours & Co., Wilmington, Del., announces the appointment of J. N. Tilley as departmental engineer for the Grasselli Chemicals Department.

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Chemical Workers Decreased in July

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted a 9.8 percent decrease from June to July, according to the Bureau of Labor Statistics. At the end of the monthly period, employment was 2.9 percent below the corresponding level of 1945. Payrolls showed a 9.9 percent decrease from June to July, and stood 2.1 percent below the corresponding level of 1945.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries for July was 162.5 (100 equals 1939 average), compared with 165.1 for June and 223.2 for July last year. For payroll totals the index number was 284.3 for July and 397.8 for July last year.

The bureau's general index numbers for all manufacturing industries for July showed the following comparisons:—

	July, 1946	June, 1946	July, 1945
Employment	140.8	139.2	152.1
Payroll	260.5	256.8	298.7

Employment in the chemical group of industries was 9.2 percent above the average of all industries. Payroll totals were 11.8 percent above the general average for industries. Labor statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 average:—

	Employment		
	July, 1946	June, 1946	July, 1945
Quarrying and non-metallic mining	101.2	98.9	81.3
Crude petroleum production	95.1	93.7	92.8
Dyeing and cleaning	130.1	131.6	129.6
	Payroll totals		
	July, 1946	June, 1946	July, 1945
Quarrying and non-metallic mining	212.3	206.6	161.9
Crude petroleum production	143.2	146.6	135.7
Dyeing and cleaning	221.4	236.6	197.7

Employment

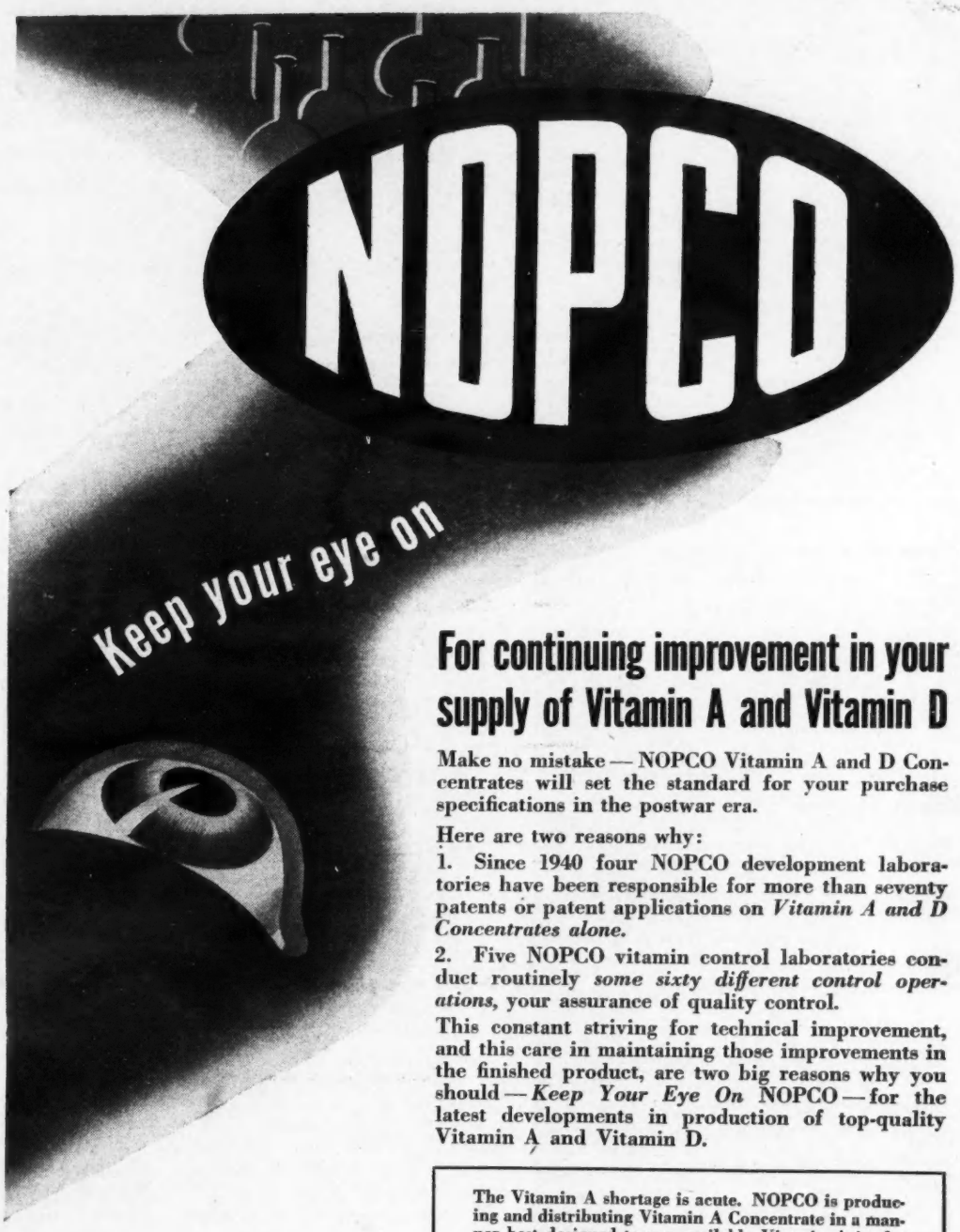
(100=1939 average)

	July, 1946	June, 1946	July, 1945
Chemicals	165.0	169.0	162.4
Cottonseed oil	55.6	59.4	76.6
Drugs, medicines, insecticides	187.5	187.5	182.5
Explosives and safety fuses	169.8	168.7	1207.2
Fertilizers	102.4	107.2	104.4
Paint, varnishes and colors	126.6	125.5	102.9
Petroleum refining	137.4	136.1	127.6
Rayon and allied products	118.0	121.0	111.2
Soap	108.2	105.5	95.5

Payroll Totals

(100=1939 average)

	July, 1946	June, 1946	July, 1945
Chemicals	283.7	283.0	291.8
Cottonseed oil	119.8	126.8	154.0
Drugs, medicines, insecticides	307.0	305.8	272.6
Explosives and safety fuses	284.5	285.9	1879.8
Fertilizers	245.4	249.7	247.4
Paint, varnishes and colors	199.5	199.7	168.8
Petroleum refining	228.0	223.3	227.7
Rayon and allied products	197.6	198.3	184.3
Soap	170.2	172.8	159.6



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Chemical Workers Weekly Earnings Up

Weekly earnings of factory workers in chemical and related fields showed a light increase in June, as compared with May. A breakdown of the weekly earnings for the chemical and allied industries follows:—

Average Earnings

	Weekly		
	June, 1946	May, 1946	April, 1946
Chemical and allied products	$44.00	$43.30	$43.28
Ammunition	42.10	40.67	42.76
Chemicals	50.86	50.29	50.58
Cottonseed oil	29.43	29.78	29.53
Drugs, medicines, insecticides	38.31	38.13	37.83
Explosives, safety fuses	48.53	46.71	47.43
Fertilizers	32.52	31.63	31.87
Paints and varnishes	47.10	45.94	46.56
Petroleum refining	56.27	52.42	56.61
Rayon, allied products	40.09	40.43	40.18
Soaps	47.60	46.01	46.35

N.Y.C. Chemists Ask Salary Increases

The Association of Municipal Chemists of the City of New York has petitioned the Board of Estimate for salary increases to bring the pay of its members into line with salaries paid by private industry and the Federal government.

The group of 125 chemists complained that they were underpaid by $1,000 to $1,600 a year and added that thirty-six city chemists who held the title before 1930 had remained stationary at the 1930 pay level for fourteen years.

Mallinckrodt Calculator Offered to Druggists Oct. 1

A new Rx calculator, designed by the Mallinckrodt Chemical Works to simplify and shorten mathematical calculation in drug stores by adapting the slide rule technique to the specific requirements of the pharmacist, will be available October 1. It will be offered free to retail pharmacists who place their wholesalers minimum orders of $5 for Mallinckrodt prescription chemicals.

Trade Briefs

General Products Manufacturers Inc. has been organized in Brooklyn, N. Y., to deal in bleaching compounds.

H. J. Wollner, secretary in charge of the New York office of the United Nations Standard Coordinating Committee, has resigned.

Dow Chemical Company, Midland, Michigan, has leased the building at 431-33 South Seventh street, St. Louis, Mo., for warehouse purposes.

OPD—9-23-1946

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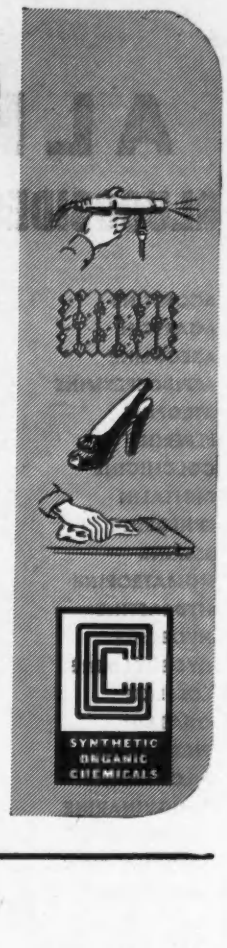

Stearns & Co. Offers Scientific Papers

Reprints of thirteen papers recently published by members of the scientific staff of Frederick Stearns & Co. division of Sterling Drug, Inc., Detroit, are currently available on request to Dr. Melville Sahyun, vice-president and director of research. They are:—

"Preparation of and Cardiovascular Response to Neo-Synephrine in Oil," by A. M. Lands and C. W. Geiter; "Cirrhosis of the Liver The Lipotropic Action of Parenterally Administered Amino Acids," by Donald I. Fagan, Melville Sahyun and R. Pagel; "A Study of a New Salt of Neo-Synephrine," by C. W. Geiter, A. M. Lands and J. R. Lewis; "Spasmolytic Activity of Diethylaminoethyl Esters of Substituted a-Thienylacetic and a-Thienylglycolic Acids," by A. M. Lands and V. Loraine Nash; "The Comparative Pharmacological Action of some Phenyl-, Cyclohexyland Cyclosome Phenyl-, Cyclohexyl- and Cyclo- John R. Lewis and V. Loraine Nash; "Amino Acids," a series in three parts, by Melville Sahyun; "Alkamine Esters of substituted p-Xenylglycolic Acids," by John A. Faust, R. F. Feldkamp, and Maurice L. Moore; "Protein Deficiency in Man" by Melville Sahyun; "The Maintenance of Nitrogen Equilibrium in Dogs by Intravenous Alimentation with an Acid Hydrolysate of Casein Fortifier with Tryptophane" by Charles F. Kade, jr., Jean Houston, Kathryn Krauel, and Melville Sahyun; "The Relationship Between Chemical Structure and Spasmolytic Action of Some New Anticholinergic Esters" by A. M. Lands, V. L. Nash and K. Z. Hooper, and "Potentiating and Pressor Action of Some N-Substituted Hexylamines," by John R. Lewis.

Chain Drug Store Group Names Bell President

The Associated Chain Drug Stores has elected as president J. G. Bell, of Peoples Drug Stores, Inc., Washington, D. C. He succeeds R. E. Skillern, of Skillern & Sons, Inc., Dallas, Tex. C. B. Larsen, of Cunningham Drug Stores, Inc., Detroit, was elected vice-president, and E. D. McDaniel was reelected secretary-treasurer.

Trade Briefs

D. D. Reichow, industrial relations manager of the B. F. Goodrich Company since 1941, has been named assistant to the vice-president for employee relations.

W. D. Boyles & Co. has opened a new business as manufacturers' representative and export-import broker, with offices at 8 South Dearborn street, Chicago 3. Mr. Boyles was until recently an executive of the Crop-Saver Chemical Company, Chicago.

In Bristol Lab. Post

William M. Blankenship, formerly general sales manager for the Drug Products Company, New York, has been appointed assistant sales manager of Bristol Laboratories, New York. Before entering the army, Mr. Blankenship was eastern divisional supervisor for the Mathieson Alkali Works.

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Manufacturers of Fine Chemicals

Westvaco Names Meyler Assistant Sales Head

John deF. Meyler, for more than eleven years a member of the sales division of the Westvaco Chlorine Products Company, New York, and at

John deF. Meyler

present midwest sales division manager at Chicago, will become assistant manager of sales October 1.

He will be succeeded in Chicago by W. G. Hodson, who will be responsible for the Wisconsin, Minnesota, Iowa, northern Indiana and Illinois territories.

The company also has assigned John M. Richard as resident salesman in St. Louis; Arthur F. Smith as resident salesman in Cleveland, and Preston F. Tinsley as resident salesman in Cincinnati.

Anchor Serum Holds Wholesalers' Convention

National wholesalers of the products of the Anchor Serum Company, St. Joseph, Mo., recently held a three-day convention in that city at which the company reiterated its policy of selling direct to wholesalers only. Speakers at the meeting included H. T. French, of McKesson & Robbins Company, San Francisco office; L. J. Gardner, executive secretary of the control agency, Kansas City; W. B. Stone, executive secretary of the animal health institute, Kansas City, and W. C. Haase, of the agricultural research department of Swift & Co., Chicago.

Northam Warren Names Redmile Sales Manager

J. Ernest Redmile has been appointed sales manager of the Northam Warren Corporation, manufacturer of cosmetic preparations, Stamford, Conn. He succeeds the late Elmer Freed. Dana W. Rhines has been named field sales manager of the company and Alfred C. Wakefield has been appointed assistant general sales manager.

Mr. Redmile formerly represented the company in Philadelphia, Baltimore, Washington and Pittsburgh.

Schering Offers Penicillin

The Schering Corporation, manufacturer of pure hormone and other pharmaceutical products, Bloomfield, N. J., has entered the penicillin field with the introduction of special oral tablets of penicillin calcium.

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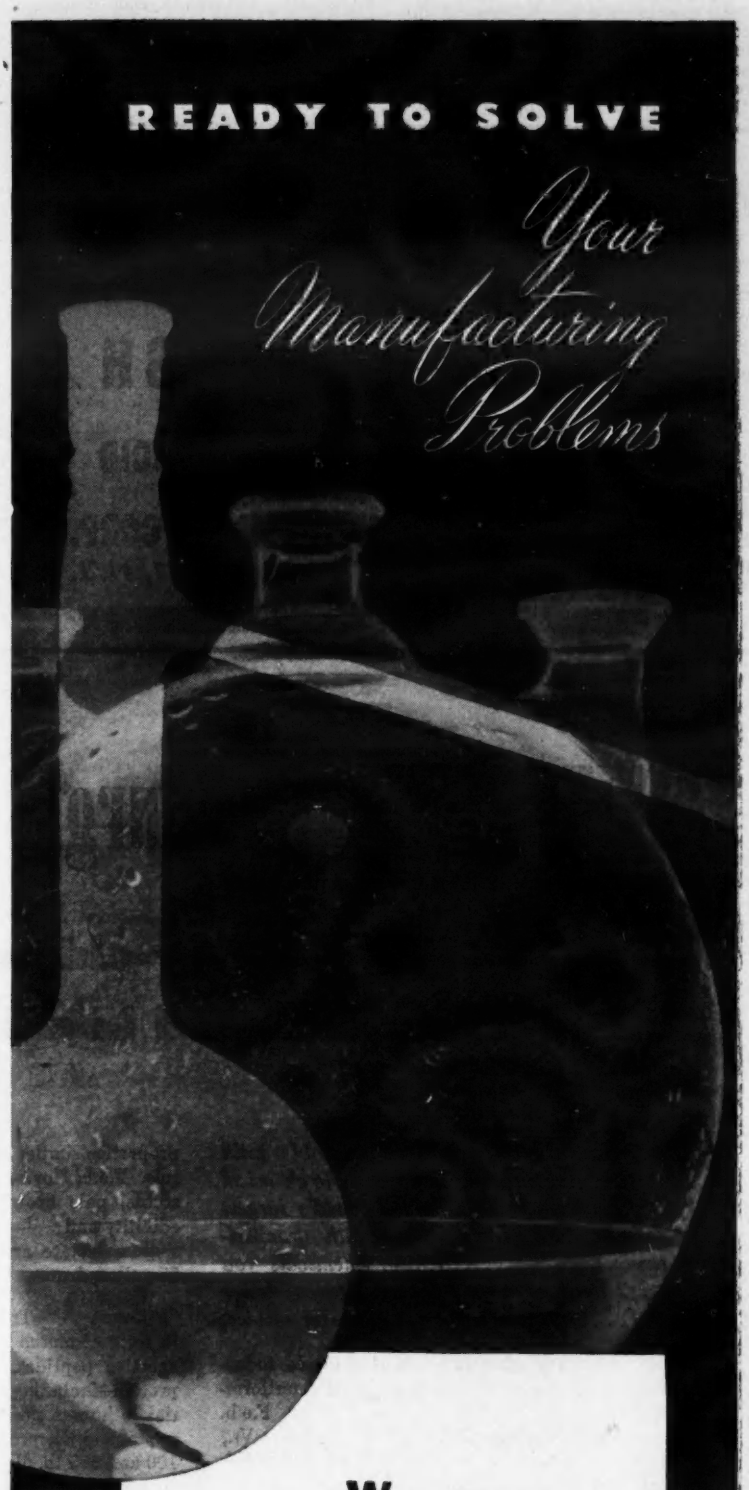
Established 1904 JERSEY CITY 2, N. J. Cable Address "SIZOL"

READY TO SOLVE
Your Manufacturing Problems



We serve a distinguished clientele of outstanding companies in various fields, manufacturing products bearing some of the world's most respected labels.

In the solution of perplexing problems and as contract manufacturers in the chemical and cosmetic fields, Evans Chemetics, Inc., can serve you effectively, accurately and economically.

Our facilities and services are portrayed interestingly in our brochure, "Twentieth Century Alchemists." Send for it.

Evans Chemetics INC.
250 EAST 43rd STREET, NEW YORK 17, N. Y.
In England, Evans Chemicals, Limited

Biological Aids Wanted

An examination for probational appointment to engineering aid, scientific aid and biological aid positions has been announced by the Civil Service Commission. Positions to be filled from this examination are located in Washington, D. C., and the immediate vicinity. The salaries range from $1,822 to $2,644 a year for a 40-hour workweek. Applications must be on file with the commission, Washington 25, D. C., on or before October 10.

BROMINE

TRONA MURIATE AND SULFATE OF POTASH

BORAX AND BORIC ACID

AMERICAN POTASH & CHEMICAL CORP.

122 East 42nd Street New York 17, N.Y.

Blacklist Deletions Augmented by 4 Nations

OPD Washington Bureau

The Treasury Department has revoked public circular No. 12, which prohibited trading with persons on the list of blocked nationals in the four neutral European countries of Portugal, Spain, Sweden and Switzerland, in view of the withdrawal of the blacklist earlier this year.

Under the foreign funds control system in operation during the war a general license was in effect to permit trading with citizens of the neutral countries of Europe. Public circular No. 12 supplemented the general license by limiting such trading only to persons in these four neutral countries who were not contained on the blocked nations list of United States and Great Britain.

WAA Chicago Regional Director Appointed

Stanley B. Adams has been appointed as regional director of the Chicago regional office of War Assets Administration. Mr. Adams succeeds Fred A. McLauchlan, who was assigned to WAA headquarters in Washington last month. Mr. Backman meanwhile has been acting regional director in Chicago.

Mr. Adams has been serving as executive assistant to the WAA Deputy Administrator for Plans and Policies in Washington.

WAA Names Miller Drugs Div. Director

OPD Washington Bureau

The War Assets Administration has announced the appointment of Louis P. Miller as acting director of its drugs and medical sales division. Mr. Miller, former president of the Miller Drug Company, Cleveland, Ohio, and Emdee Laboratories, a division of the American Home Products Company, has had thirty-five years' experience in the manufacturing, wholesale and retail drug business.

Givaudan-Delawanna President On Business Trip to Europe

Dr. Eric C. Kunz, president of Givaudan - Delawanna, Inc., manufacturer of aromatic chemicals and perfume raw materials, New York, has left on a trip of three to four weeks in Europe, where he will visit the Givaudan organizations in France and Switzerland. Dr. Kunz will study the essential oil and flower-oil raw material situation in Europe, will examine the needs of Europeans for American synthetics, aromatics, and will lay plans with his European associates for the expansion of the Givaudan-Delawanna interests in this country.

Stearns Promotes Walsh

Glenn Walsh, formerly of the Chicago district office, has been promoted to manager of the newly organized central division of the Frederick Stearns & Co. Division, Sterling Drug, Inc., according to Ray C. Brewster, vice-president in charge of sales. Mr. Walsh will make his headquarters in Detroit. He has been associated with Stearns since 1943, and previously was with Sharp & Dohme Inc.

Gottesman Leaves OPA

Callman Gottesman, chief enforcement attorney in the New York district for the Office of Price Administration, has resigned to resume the private practice of law. He will have offices in New York and Washington. Mr. Gottesman joined the OPA staff in January, 1942, and headed the New York enforcement office since January, 1945.

Tek Corp. Formed

Johnson & Johnson, New Brunswick, has formed the Tek Corporation, as a step in the company's policy of decentralization. John F. Bales will serve as executive vice-president and general manager of the new corporation, and James J. Flood will be vice-president in charge of sales.

Smyth Rejoins M.M.&R.

Magnus, Mabee & Reynard, Inc., supplier of essential oils, announces the return of Henry J. Smyth to its staff after four years in the service. Mr. Smyth, who was with the export department in New York until he entered the Army, now makes his headquarters at the Chicago branch office.

Bander in Charity Drive Post

I. H. Bander of McKesson & Robbins, Inc., has been named to head the drugs and pharmaceuticals division of the forty-first maintenance appeal of the Travelers Aid Society of New York. The campaign goal has been set for $329,613.

Trade Briefs

Lure Essential Oils Inc. has been organized in New York to deal in floral, chemicals, animal and vegetable essences.

Arden for Men, Inc., New York, has been formed to deal in cosmetics. It is incorporated by Elizabeth N. Graham, Frances O'Leary and Florence G. Delaney.

Universal Laboratories has opened sales offices and showrooms in the Savoy Plaza hotel, New York, for sale of its cosmetics and toilet preparations.

SHEFFIELD Chemurgic Products

Century-old name in milk
. . . latest word in milk chemicals

This means you now have available milk chemicals outstanding in dependable chemical performance—products of the world's largest dairy—and backed by a rare wealth of experience. With SHEFFIELD *Milk Chemicals you profit by three substantial advantages: lower cost . . . highest efficiency . . . broader service.*

"New Process" Casein*★—superior grade industrial casein unusually high in quality and uniformity. Available in 76-lb. multi-wall bags. F.o.b. Norwich, N. Y., Boonville, N. Y., or Vergennes, Vt., as inventory permits shipment. (Gross for Net.)

"High pH" Casein*★—specially processed casein less acid than "New Process" Casein. Excellent for emulsions and dispersions. Particularly recommended as a protein emulsifier in the production of synthetic rubber and in the emulsifying of synthetic latex. In 76-lb. multi-wall bags. F.o.b. Norwich, N. Y. (Gross for Net.)

"High Nitrogen" Casein*★—a specially prepared casein particularly free from non-protein impurities. In 76-lb. multi-wall bags. F.o.b. Norwich. N. Y. (Gross for Net.)

"De Vitaminized" Casein*★—an edible protein of high nutritional value and balance, minimum vitamin content. In 75-lb. multi-wall bags. Freight allowed in continental U. S. A.

Milk Sugar (Lactose)—U.S.P. and edible grades. Highest quality products in their respective grades. In 200-lb. wooden barrels. F.o.b. Hobart, N. Y.

Calcium Lactate—U.S.P. edible calcium in a form particularly desirable for its assimilability. In 200-lb. fibre drums. Freight allowed in continental U. S. A.

Sodium Lactate—50% refined—edible, water-white product highly hygroscopic, with physical properties similar to glycerine. In 55-gallon barrels. F.o.b. Norwich, N. Y. ***50% technical***—non-edible, pale brown product, valuable wherever edibility and water-white qualities of 50% refined sodium lactate are not required. In returnable 55-gallon drums. F.o.b. Norwich, N. Y.

"N-Z-Amine"*★—Tryptic digest of casein. Contains, in form of *amino acids*, with a portion of the respective peptides, etc., all those in the original protein—including those now believed to be essential to human nutrition. Also valuable as a bulk peptone in the production of micro-biologicals. In 100 and 300 lb. fibre drums. F.o.b. Oneonta, N. Y.

"N-Z-Case"*★—A bacteriological laboratory peptone of high quality made from a tryptic digestion of casein. Relatively high in tryptophane content. "N-Z-Case" is noted in the Methods used by the Food and Drug Administration for the *assay of penicillin*. "N-Z-Case" conforms to the specification for "Pancreatic Digest of Casein" indicated in the National Institute of Health circular titled *"Culture Media for the Sterility Test."* Sold only in 1-lb. bottles. F.o.b. Oneonta, N. Y.

★Trade-marks of Sheffield Farms Company, Inc.

Detailed information and samples of any of these products are yours simply for the asking. Write, wire, or phone.

Chemurgic Division
SHEFFIELD FARMS CO., INC.
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SHEFFIELD — *century-old name in milk — latest word in milk chemicals*

DIVISION OF NATIONAL DAIRY PRODUCTS CORPORATION

Commerce Dep't Warns Retailers on Hoarding

OPD Washington Bureau

Retailers have been warned by officials of the Department of Commerce against stocking their shelves too heavily with goods and merchandise in this period of rising prices and scarce supplies. Such action upon their part is almost certain to lead to many casualties, especially among the smaller merchants, when business operations return with the attending probable price markdowns.

The warning was given the retailers in session here at a two-day conference called by the department for a discussion of retail problems in all lines of business, including drug stores, paint stores and retail food outlets. Representatives of some fifty retail organizations attended the meetings.

Nelson A. Miller, chief of the marketing division of the Office of Domestic Commerce, who submitted the principal paper to the meeting, said that sales of retail stores in the first seven months of this year were at the annual rate of $93,000,000,000, the largest in history. The dollar volume, he said, is at a rate more than double the 1939 level, with two-thirds of the sales increase occurring since Pearl Harbor. Most of the increase in dollar volume, however, was due to price rises, he said.

Sales of retail drug stores, he noted, which were estimated at $1,563,000,000, in 1939, rose to $3,023,000,000 in 1945, and at the end of the second quarter of this year, they were at an annual rate $3,570,000,000. The building material and hardware group, which includes paint, reported sales at an annual rate of $5,828,000,000 last July compared with $4,182,000,000 for last year. Mr. Miller said that present inventories dollar-wise are at normal levels in most nondurable lines and the need in the nondurable lines is for a redistribution of the present inventory investment in favor of the wanted lines of standard merchandise as soon as possible, he added:—

For the small retailer, especially, it is almost fatal to have most of his cash and credit heavily invested in inventory, especially following a period when goods have been scarce for some years and prices have been on an upward move. Even with the somewhat starved inventories in some lines today, gambling on increased prices and investment in inferior or stop-gap merchandise should be carefully avoided or held to an absolute minimum.

Collapsible Tubes Price-Control Lifted

OPD Washington Bureau

Price-control has been suspended by the Office of Price Administration on:—

Bottle caps and closures.

Casein plastic material.

Cellulose wadding used in the manufacture of surgical dressings.

Collapsible metallic tubes for shaving cream, toothpaste, and similar preparations.

Litmus paper.

Argentine Importers Open Offices in New York

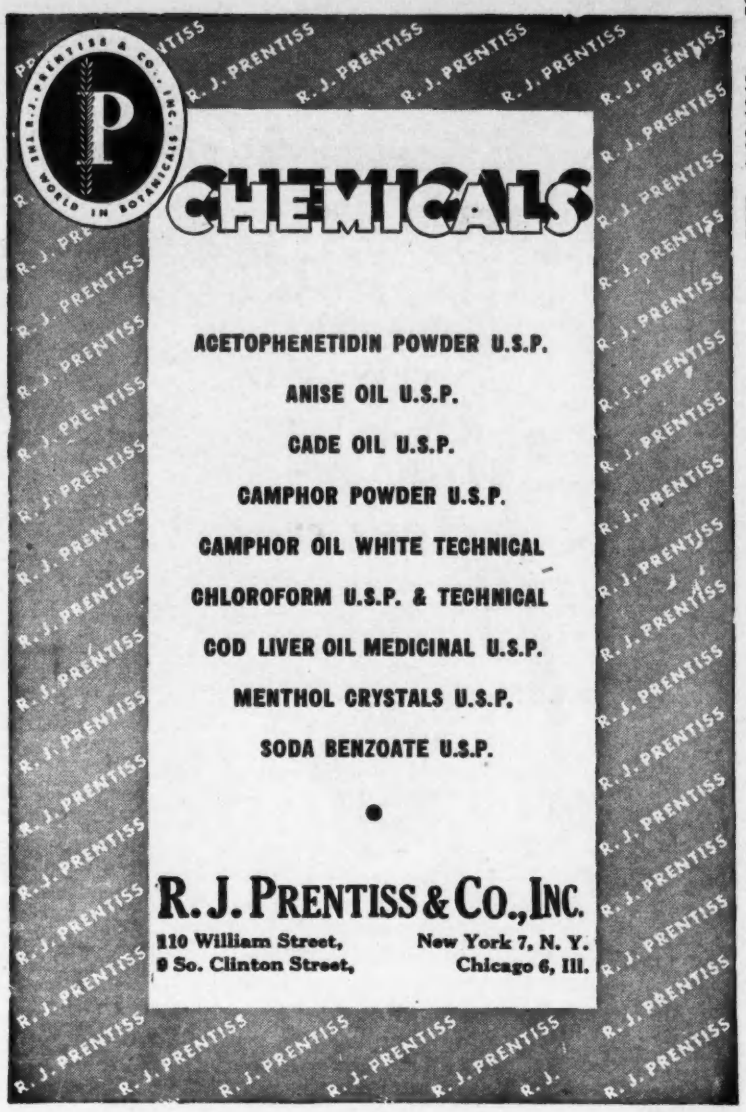
Compania Argentina de Cosmeticos and Institutio Sanitas de Argentina have established offices at 535 Fifth avenue, New York. The representation is in charge of William Phillipson, formeriy with the Rockefeller Committee on Inter-American Affairs, who also represents two general import-export concerns—Promotora and Oceano.

Trade Briefs

Fortress Chemical Corporation has been organized in New York by Florence Hoffman, Henry G. Vogel and Herbert Dannett.

John L. Newkirk Inc. has been organized in New York to deal in pharmaceuticals and cosmetics. Directors are John L. Newkirk, Alexander W. Farber and Dorothy C. Lindsay.

Emdor Products Corporation has been formed in New York by William M. Grosvenor jr., Isador Mille and Jacques Errora to manufacture pharmaceuticals and chemicals.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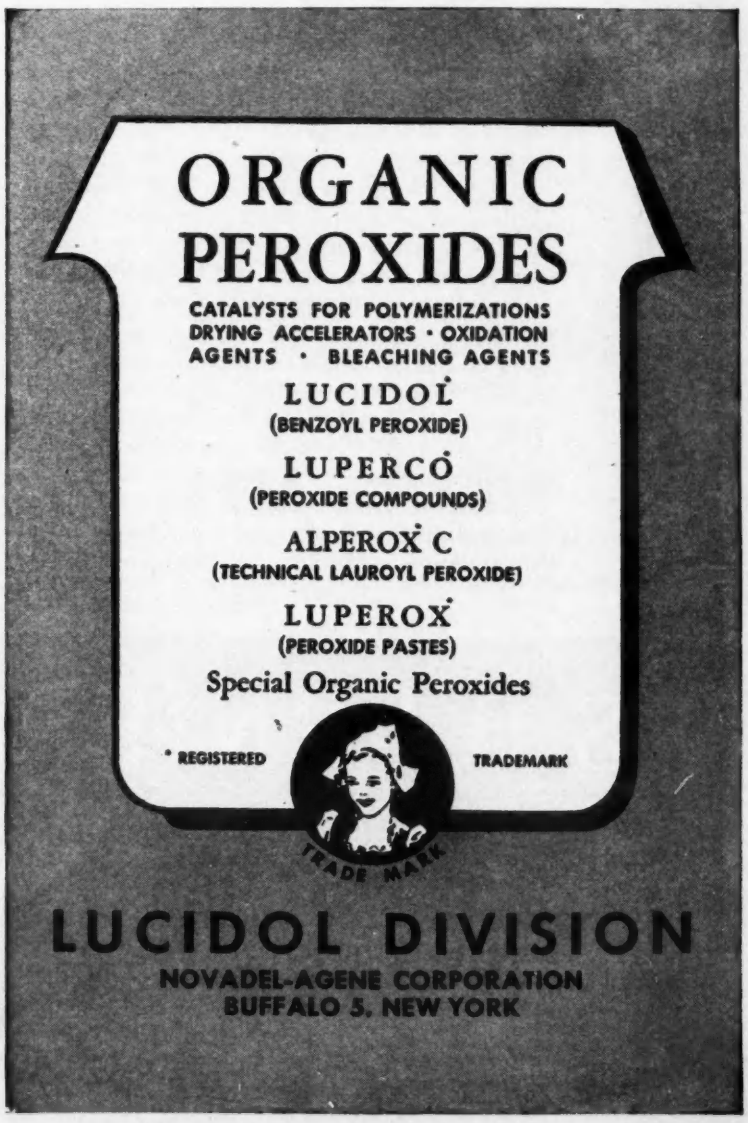

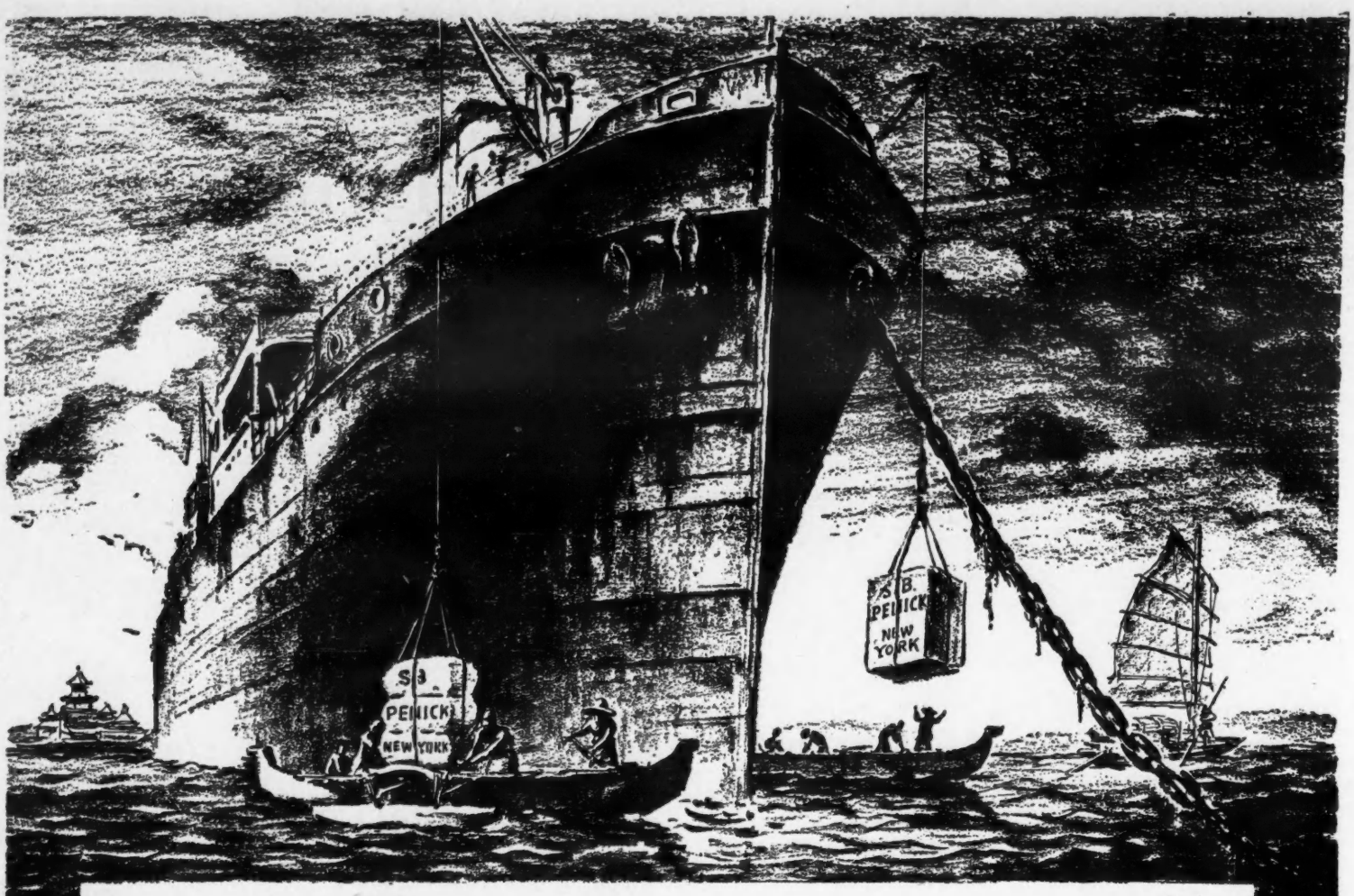

From the Farthermost Ports of the World

Destination . . . PENICK

BALES, BOXES AND BAGS brought from every part of the world by S. B. Penick and Company testify to the wide nature of Penick resources and the scope of this organization's progressiveness.

Advancement in scientific and technical methods of drug production and manufacturing for foreign and domestic use has placed S. B. Penick and Company in the forefront of the botanical drug industry throughout the world.

Founded during the era when "crude drugs" were produced almost entirely by methods prevailing in the Eighteenth Century, the Penick Organization has pioneered in the development of higher standards in the procurement of raw materials and in the manufacture of basic products for the drug, chemical, food, insecticide and technical industries in every continent of the globe.

Penick manufacturing plants enjoy facilities which include the latest, and in many instances, unusual types of equipment, much of which was designed for specialized manufacturing operations to conserve the active drug principles, thereby insuring full potency in the finished product.

Under the direction of men trained in the modern methods of scientific operation, every step of the fabrication of Penick materials is supervised with an alertness and with an eye to the most minute detail. Each and every stage of production is carried out to the most precise specifications.

It is such a rigid laboratory control system, laid down by our skilled technicians and physicists, that guarantees to you, as a buyer of Penick products, PURITY, QUALITY and POTENCY unsurpassed in excellence.

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S.B. PENICK & COMPANY Asheville NEW YORK Chicago

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CHICAGO 10, ILL.
Telephone: MOHawk 5651

Botanical Drugs, Spices, Gums

Business continued to improve in the market for botanical drugs. With Fall beginning today, the trade already had felt a quickening of demand and a steady broadening trend in the market as a whole. From the flow of new orders to the spot, it may be deduced that manufacturing consumers for the most part are not protected in their requirements very far into the future. While a tendency to defer buying until immediate need appears still could be found, there was less of that approach to the market and more of a disposition to extend the period over which future requirements are covered.

This betterment of business tended to support the prevailing structure of prices close to present prevailing levels. Since there is less than the normal amount of competition current among sellers — conservative stocks have tended toward the greater independence of sellers—values show a degree of hardness rather curious in a market where fluctuation is the common lot of most merchandise.

Few articles are in abundant supply as the Fall season starts. While possibly larger than had been expected, stocks in the main are considerably less than normal and there is not much chance of their being materially increased before Winter arrives.

Balsams

Copaiba—The almost bare spot market received 60 cases of this balsam last week but it was understood that the arriving merchandise has been well spoken for prior to reaching here. Prices remained strong and virtually nominal.

Tolu—The market was still short of unsold goods and was purely nominal in all respects with prices mentioned around $4.25 per pound.

Barks

Buckthorn — Reestablishment of truly firm spot prices is now a reasonable prospect. During the past week, 117 bales of the bark reached here from Trieste, Italy.

Cascara Sagrada—Firm in all respects but this condition of affairs prevailed without benefit of more than routine demand that was mainly jobbing in character.

Cocillana — Winter requirements have begun to reach this market and it was clear that consumption is likely to reach important totals if sufficient bark be available—which is a moot question at the present time. Prices ruled firmly.

Orange Peel—Haiti manages to ship fair quantities of this article to this market; an arrival of 160 bags was reported last week. Demand was mainly for jobbing quantities and prices were not better than steady.

Beans

Tonka—Renewal of spot stocks was possible last week through the arrival of 56 barrels of this bean from the primary market. Demand was steady but lacked special emphasis.

Vanilla—Demand was good. Consumers showed a disposition to cover needs as far ahead as sellers were inclined to do business. The unsold stocks on this market were reported to be but moderate in size and further arrivals are an uncertain factor in the future supply situation. Prices at all points ruled in very firm position.

Berries

Juniper—Prices in foreign parts appear to have reached a more stable position. At least, no further tendency toward acceptance of sellers' bids when substantially below sellers' views prevailed last week. Demand for spot goods was light.

Raspberries—Mighty little of this item was dried this year. Most of the crop was frozen fresh for the market and it would appear that consumers will find it difficult to cover their needs from supplies now available at the source.

Flowers

Arnica—The market was still nominal; bad luck has attended arrivals of goods from foreign markets; much of such merchandise was ordered detained because of inferior quality. Nor is much heard about any domestic goods. Early season reports from the West had been adverse.

Calendula—European flowers have driven domestic cultivated material out of the market by reason of the low price at which the former had been obtained. And even such prices were several hundred percent. above what had been the normal price for the goods.

Chamomile—A fair demand was reported for the Hungarian material, which was not too plentiful on spot last week. Prices showed substantial strength in the absence of much tendency to compete for present-day orders. It will be interesting to note if Argentina continues to cultivate the item, now that European sources are again available.

Saffron—Spanish flowers were reduced to the basis of $38 to $39 per pound for the USP article. Not much interest prevailed, thus tending to make buyers favor consumer bids if within reason.

Gums

Aloe—Further arrivals of this item were noted, being a matter of 69 cases that came from Puerto Cabello, Venezuela. Stocks of Cape aloe were more plentiful and prices were slightly easier under the influence of a trifle more competition.

Mastic—Available but not in more than moderate quantities and only at prices far above normal valuation of the item on this market.

Olibanum—Trading was slightly more brisk. Inquiries were more frequent in some quarters, and sales volume gained moderately. Prices ruled in generally steady position.

Herbs and Leaves

Belladonna—Although spot trading was moderate in volume, the market retained a steady price position. Europe has not offered important quantities to this market, and most of the goods offered have suffered when compared in quality with the leaves grown in this country.

Marjoram—Chilean herb was slightly higher, the spot holding at 8½c. to 9c. per pound and futures being proposed at 8c. to 8½c. Demand was routine.

Thyme—French herb was shaded to 17c. to 17½c. per pound for spot goods, but no change was made in the future

Market Trends

Prices Advanced

Drugs

None

Other Articles

Cardamom, bleached, medium, 5c. per lb.
Marjoram, Chilean, ½c. per lb.
Mustard seed, Montana, brown, futures, 1½c. per lb.

Prices Reduced

Drugs

Cantharides, Chinese, whole, 25c. per lb.
powdered, 25c. per lb.
Saffron, Spanish, U.S.P., $1 per lb.

Other Articles

Caraway seed, Swedish, 1c. per lb.
Cassia, China, buds, 1c. per lb.
Kwangsi, broken, 2c. per lb.
rolls, selected, broken, 8c. per lb.
Clove, Madagascar, ¼c. per lb.
Zanzibar, ¼c. per lb.
Cumin seed, Indian, futures, ½c. per lb.
Fennel seed, Indian, afloat, ½c. per lb.
Mustard seed, Montana, yellow, futures, ⅝c. per lb.
Pepper, red, Haitian, 1c. per lb.
Poppy seed, Danish, 1c. per lb.
Swedish, 1½c. per lb.
Turkish, ½c. per lb.
Thyme, French, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
272.2	272.2	274.1	243.3

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended September 13

New York

Cassava meal, 1,667 bags: insect infested.
Cassia, 140 bags: filthy.
Mace, 6 cases: filthy.
Manioca flour, 30,778 bags: insect infested.
Nutmegs, 136 bags: moldy and wormy.

For Late Market Developments, See Page 4

Backed by 56 years of progress!

HOPKINS' SOLID & POWDERED EXTRACTS & CONCENTRATES

HOPKINS' Vacuum-Made Soluble Solid Extracts are all made from the highest quality selected and tested botanical crude drugs. They are evaporated by a special process, under vacuum, at low temperatures —concentrated to a pilular consistency and accurately standardized. Use of Hopkins' Extracts eliminates the labor of percolation and the consequent loss of alcohol. It is invariably found that their use saves money, time and trouble.

Hopkins' Vacuum-Made Powdered Extracts are thoroughly dried, finely powdered to uniform mesh. accurately standardized and guaranteed for purity and strength. Use of Hopkins' Powdered Extracts retains in the finished product all the natural constituents, color, flavor and aroma of the crude drug itself.

The Earth Contributes
AND
J.L. HOPKINS & CO.
DISTRIBUTE
ALL KINDS OF ROOTS, BARKS, HERBS, GUMS, LEAVES & SEEDS, WHICH ARE USED FOR MEDICINAL PURPOSES; WHOLE, GROUND OR POWDERED
TRADE MARK

For full information and samples, write us, stating the particular ways in which you employ Solid and Powdered Extracts and Concentrates.

J. L. HOPKINS & CO.
PROFESSIONALLY MILLED
ANALYZED—STANDARDIZED CRUDE DRUGS
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to keep your standard HIGH

STABILIZE
with
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With many products, it takes more to keep your standard high than fine basic ingredients and tried formulas. Required in addition is the STABILIZER, SUSPENDING AGENT, BODYING AGENT or HYDROPHILIC COLLOID—KELCO ALGIN.

This natural seaplant derivative is being employed to advantage in such widely different products as pharmaceuticals, dentrifices, cold water paints, textile print pastes, latex adhesive products, confectionery and other food products, leather dressings. Its uniformity to definite specifications for particular uses makes it superior industrially to other products of nature, which may vary according to changing conditions of growth and environment. This is only one advantage of KELCO ALGIN . . . which is simple to use—easy to handle—and low in cost.

The services of our Technical Staff are available in determining the possible advantages to you of KELCO ALGIN. Just write or wire us.

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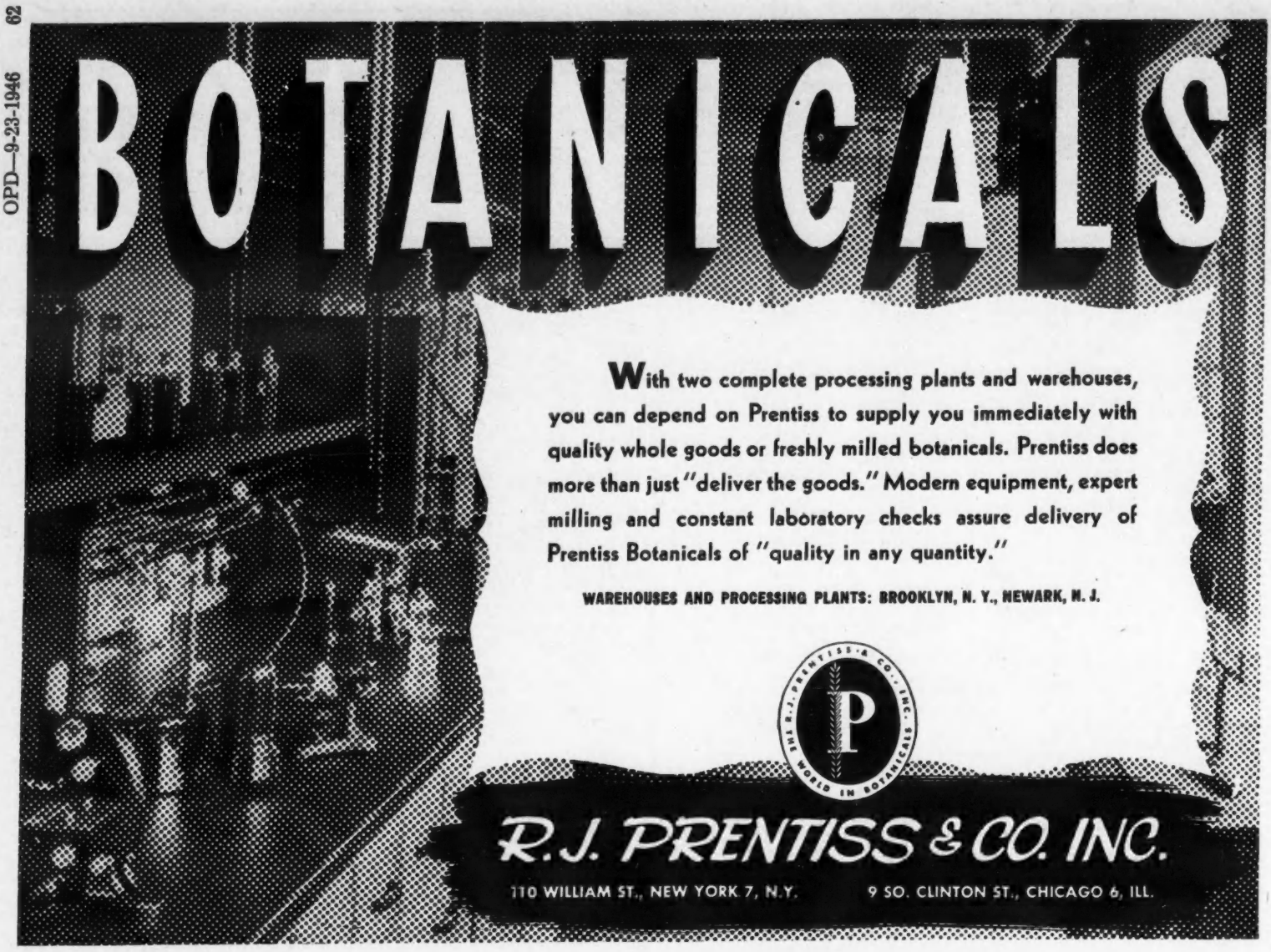
BOTANICALS
With two complete processing plants and warehouses, you can depend on Prentiss to supply you immediately with quality whole goods or freshly milled botanicals. Prentiss does more than just "deliver the goods." Modern equipment, expert milling and constant laboratory checks assure delivery of Prentiss Botanicals of "quality in any quantity."
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9 SO. CLINTON ST., CHICAGO 6, ILL.

arrival price. Spanish herb held very steady. Neither was in more than moderate request.

Miscellaneous

Cantharides—Chinese flies were shaded to $7.75 to $8 per pound for whole and to $9 to $9.25 for the powdered form. An arrival that totaled 25 cases reached here from Shanghai during the past week.

Ergot—Competition was still in evidence, and, although lacking in quotable change, the article was said to be the subject of occasional price shading.

Kola Nuts—The primary market in the West Indies seems to be loosening up on supplies. An arrival of 321 bags was reported last week, being quite the largest individual landing for a long time.

Lycopodium—The article was relatively scarce on the spot, and firm prices were to be obtained only in the event of an actual purchase. It would not prove surprising if sales were being made higher than the quoted prices.

Roots

Aletris — This article is lightly stocked in all quarters and in some respects its price is near to being nominal and is certainly subject to confirmation at the time of sale.

Angelica — Whereas this country often consumes around 50,000 pounds of this article (including a small amount of seed) Europe to this time has been able to supply but limited quantities. Germany was formerly the leading supplier.

Dandelion—Creation of a normal reserve is difficult since goods arriving are often detained by the Food and Drug Administration. The present supply is sufficiently low as to make for a virtually nominal spot market.

Galangal—The first large quantity of this root to arrive from China reached here last week. It amounted to 1,114 bales of the merchandise and the shipment started at Hong Kong. The article has been fetching around 30c. per pound in future arrival position.

Ipecac — Another small lot—80 bags—reached here from Cartagena but the quantity is so small as to be totally without effect on the going price for such merchandise.

Rhubarb — Transport from China seems to have improved. Another lot, this time 44 cases, reached here last week from Shanghai, China, and it was goods greatly to be welcomed in this not overly well stocked market. Demand was exceptionally steady at firm prices.

Valerian—Reports mentioned an arrival of 10 bales of this root from Cape Haitian, Haiti. Hence, consumers may not take their pick of valerian from Haiti, Belgium, or India.

Seeds

Anise—An arrival of 1,108 bags of star anise from China was reported last week. Prices were slightly unsettled. Mexican seed was in low supply and was very firm in price.

Caraway—Local factors in this seed were unable to make further offerings of Canadian seed. Could it be that the wartime cultivation in Canada has been abandoned because of the extremely sharp fall in prices? Swedish seed was lower at 23½c. to 24c. per pound.

Cardamom—Medium bleached seed was higher at $1.40 to $1.45 per pound.

Celery — Future shipment Indian seed was higher at 24½c. to 25c. per pound.

Cumin—Spot stocks were low. Most of the Persian seed recently landed was detained by the Food and Drug Administration. The range on Indian seed in future position was wider.

Mustard—Some trade sources felt that the recent government crop estimate on this material was about 25 percent too high. It is not certain that cold weather and snow may not cut the size of the crop considerably. California brown seed was advanced to 26½c. to 27c. per pound. Montana brown seed futures at the source was higher at 10c. to 10½c. per pound. Yellow seed in future position at the source was in to 14¼c. to 14¾c. Oriental futures were down to 7¼c. to 7¾c.

Poppy—Danish seed was lower at 25c. to 25½c. per pound. Swedish seed was shaded to 23c. to 23½c. and Turkish went down to 23c. to 23½c.

PEEK AND VELSOR INCORPORATED 110 WILLIAM ST. NEW YORK 7

Established 1840
CRUDE DRUGS

Out of the Past
—it's a bet

You Cannot Make It
21.

A genuine Wedgwood or Ming dynasty porcelain mortar is required if all directions for making this elixir are followed. But a mortar made by the great English 18th century potter, or a 14th century Ming porcelain mortar today are found almost solely in art collections. The ancients attributed healing powers to such inanimate objects.

℞

Musk root fluid extract	1 ounce
Valerianate of ammonia elixir	9 ounces
Simple elixir	4 ounces
Alcohol	2 ounces
Magnesium carbonate	Sufficient

Triturate the fluid extract of sumbul in a Wedgwood or Ming dynasty porcelain mortar with enough magnesium carbonate to make a creamy consistence. Gradually add the valerianate of ammonia elixir and simple elixir. Filter. Mix the alcohol with the filtrate.

WAREHOUSE AND MILLS
JERSEY CITY NEW JERSEY

Spices

Allspice—The article was mentioned but rarely sold last week. The price mentioned was 22½c. to 23c. per pound.

Cassia—Kwangsi broken cassia was reduced to 26c. to 26½c. per pound. Other varieties were also revised downward to the following position:—China buds, 44c. to 45c. per pound; selected rolls, broken, 19½c. to 20c.

Cinnamon — All and any prices would be strictly nominal since nothing is available.

Clove—Prices declined. Zanzibars on spot became 15¼c. to 15⅜c. per pound; futures, 14¾c. to 15¼c.; Madagascars, spot, 13¼c. to 13¾c.; futures, 13½c. to 14c.

Ginger—Some business has been done in African root but not through London where control of the market usually reposes. Cochin root was steady and Jamaica root lacked mentionable feature.

Mace—With nothing available on spot, the market was purely nominal.

Nutmegs—The trading with the primary market stopped abruptly when export controls made it virtually impossible to get permits at the source.

Pepper—Trading in future arrivals of black pepper has reappeared on the market now that price control has ended. Nearby futures were proposed at 56c. to 57c. per pound while more distant futures were 45c. to 46c. Spot prices for black pepper held at 68c. to 69c. The same price ruled on white pepper. Red pepper from Haiti was up to 56c. to 57c. per pound for hot stuff. Some nigerian red pepper was proposed at 47c. to 48c. after being absent for a while.

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Essential Oils, Other Aromatics

The market was generally dull last week as buyer interest diminished in some quarters. There were downward price revisions in both the essential oil and aromatic chemical markets, and petitgrain was conspicuous by being the only oil which marked an increase. The shipping strike seriously affected stocks by keeping imports lying untouched in the holds of ships in many of the nation's seaports. Back orders were being filled on the New York market as the trucking strike eased in the middle of the week. Peppermint and spearmint remained in an unsettled position.

Lower quotations in six essential oils last week indicated that dealers were receiving increased stocks from sources as facilities and shipping damaged by the war were returning to productivity. The import situation had been improving gradually since the war ended, and indications were that a return to normal trade in foreign markets will develop in the not too distant future.

The shipping strike negated the benefits which could have been derived from the improved position of imported oils last week as long awaited shipments lay at piers and in the streams of American ports. The essential oil trade, long curtailed by production limitations in foreign primary markets, had hoped that the resumption of international trade would spell an end to restricted business, but recent labor developments have dashed its hopes, temporarily at least.

Peppermint and spearmint oils, which have been a source of doubt and conjecture since price ceilings were lifted three weeks ago, maintained an unsettled position during the period under review. It was felt in some quarters that the only solution for the dealer will be to hold off buying until the growers take a definite position in price, and consumers can be assured that there will be no soaring price schedules.

Market Trends

Prices Advanced

Benzyl propionate, 15c. per lb.
Petitgrain oil, Paraguay, cns., dms., 35c. per lb.

Prices Reduced

Almond oil, sweet, exp., dms., cns., 5c. per lb.
Benzyl formate, 5c. per lb.
Bromystrol, 35c. per lb.
Cinnamic aldehyde, 10c. per lb.
Diacetyl, 30c. per lb.
Eugenol pure, U.S.P. XII, 5c. per lb.
Lavender oil, spike, tech., cns., 15c. per lb.
Lignaloe oil, wood, Mexican, cns., 15c. per lb.
Methyl cinnamate, 25c. per lb.
Orange oil, sweet, dist., Calif., 15c. per lb.
Florida, 4c. per lb.
Phenylacetaldehyde, 10c. per lb.
Sassafras oil, domestic, U.S.P. XII, cns., dms., 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
202.6	203.1	200.2	231.1

(For Current Prices see Page 9)

Essential Oils

Almond—Prices in sweet oil took a downward move last week as posted prices dropped 5c. per pound to $1.10 per pound. The reduction had been anticipated throughout the trade as the Italian export situation continually showed improvement.

Amyris—Buyer interest continued moderate with the oil in relatively good supply. One drum was imported from Haiti during the period under review.

Angelica—Stocks were extremely limited as quotations varied in a particularly wide range of $115 to $275 per pound for root oil. Demand was moderately strong with only small spot stocks moving. Seed oil, which was even less available than root, was quoted at from $115 to $265 per pound.

Anise—Stocks were in fairly good supply last week, and prices were tending to lower. Most of the trading was confined to the lower levels of the price range. Imports for the week totaled 133 drums from Hong Kong.

Bois de Rose—Demand was primarily concerned with the higher price stocks last week as prices were not influenced by the trading. Imported were fifty-eight drums from Brazil.

Camphor—Stocks of oil were restricted last week as no volume export was reported from foreign sources. Trading was confined essentially to spot stocks of white synthetic. The market was generally firm and prices were steady. Twenty-four drums were reported to have arrived from Hong Kong.

Cassia—Trading was fairly active last week as lower-priced stocks were offered in good supply. Some high-priced oil still remained in the hands of a few dealers. There were no price changes. Imports from Hong Kong totaled sixty-five drums.

Citronella — The import situation was vastly improved last week over the recent period, except that the shipping strike forced the stocks to remain ship-bound. Arrivals included five cases from the Dominican Republic, thirty drums from Guatemala, and fourteen drums from India.

Eucalyptus—Prices remained unchanged after the upward revision of the preceding week, although demand was strong and stocks tight. Imports for the week included forty drums from Australia.

Lavender—Prices dropped 15c. per pound last week to $2.10 per pound for technical spike. Demand was steady, and stocks were rapidly becoming more readily available.

Lemongrass—Prices remained unchanged last week as there was little buyer interest due to stock shortages. Imports for the week totaled twenty-nine drums from British India.

Lignaloe—The price range was further widened last week in Mexican wood oil as there was a decline of 15c. per pound. The new range varied from $4.60 to $5.75 per pound depending on the dealer.

Lime—West Indian oil continued to live up to predictions, and flowed into the American market in good supply. Last week's imports totaled forty cases from Jamaica and three drums from Haiti.

Orange—Imported stocks continued to be more readily available in volume last week than domestic oils. There were price changes last week as sweet California, distilled, dropped 15c. per pound to a range of $1.60 to $2 per pound, and sweet Florida distilled slumped 4c. per pound into a new range of $1.46 to $1.80 per pound. Imports for the week totaled fifty-three cases from Brazil and ten cases from Jamaica.

Peppermint—The withdrawn position sponsored by the removal of price controls, continued to curtail trading as stocks on hand were jealously held against a possible skyrocketing of prices at the source. There was a good deal of uncertainty as to the ultimate position that growers were going to take on prices, and dealers were wary. Buyers were interested in the stocks on hand, but expressed concern about the possibly hyperexpensive future. Prospective production of peppermint oil for 1946 was placed at 1,416,000 pounds in a Department of Agriculture report. This figure was slightly less than the figure quoted August 1 due to a drop of 58,000 pounds in the Indiana estimate, which more than offset an increase of 42,000 pounds for Oregon and a minor increase in Michigan. Last season 1,502,000 pounds were produced, and the 1935-44 average was 1,042,000 pounds.

Petitgrain — Limited stocks forced an upward price revision last week as buyer interest was at the previous moderately high level. Paraguay petitgrain was quoted at $4.35 to $4.75 per pound, an increase of 35c. per pound from the previous $4.00 quotation.

Pimento — Prices remained unchanged in a relatively quiet market. Imports totaled five drums from Jamaica.

Spearmint—The supply situation remained particularly tight last week. Buyers' interest was diminishing rapidly as little was offered, and it was felt that prices were excessive. Quotations varied from $6.75 to $7.50 per pound at New York. The Department of Agriculture reaffirmed

For Late Market Developments, See Page 4

Givaudan
News Digest

A RECENT QUESTIONNAIRE to TEXTILE FINISHERS, discussed in TEXTILE WORLD for August, REVEALED A NEED for MILDEW-RESISTANT finishes on FABRICS used for a WIDE VARIETY of applications. MILL OPERATORS named over SEVENTY ITEMS, ranging from AWNINGS TO YARNS and INCLUDING BANDAGES, garters, HATBANDS, SHOE LACES, tweeds, VARNISHES AND YACHT SAILS.

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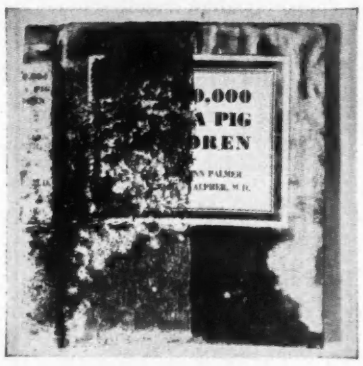

THE COVER of the book "100,000,000 GUINEA PIG CHILDREN" was ASSIGNED THE ROLE of guinea pig IN A RECENT STUDY of MILDEW ATTACK. Half the cover was TREATED WITH G-4, the other half LEFT UNTREATED. AFTER THREE WEEKS within a DARK AND HUMID chamber the UNTREATED SURFACE was "FURRY" WITH MILDEW, while the TREATED AREA had been rendered COMPLETELY IMMUNE.

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its report on production, estimating that the season's yield would be 274,000 pounds which is 7 percent less than the 1945 crop but 61 percent above the average.

Vetiver—There were no price fluctuations reported during the period under review, although it was indicated that the market was firming as stocks were limited and demand was generally good. Imports for the week totaled four drums from Haiti.

Aromatic Chemicals

The market remained moderately dormant last week as raw material shortages, strikes, and unfilled orders joined to curtail trading. The buyers were inquiring more cautiously as the problems of production and supply seemed insoluble, and indications were that the market would move very slowly for an indefinite time. Price schedules were revamped in several items, the majority of changes being downward.

Anethol — The range was widened in both NF and commercial grades as the former was quoted from $2.20 to $2.85 per pound, an increase of 35c. per pound on the outside; commercial was posted at 2½c. per pound higher on the outside as quotations ranged from 65.7c. to 68.5c. per pound.

Benzyl Acetate—Dealers were asking up to 70c. per pound for free from chlorine grade, an increase of 10c. per pound over the previous outside quotation, as the inside price remained at 49½c. per pound.

Benzyl Alcohol — The spot prices ranged from 65c. to 80c. per pound last week, an increase of 5c. per pound in the outside quotation.

Benzyl Formate — Prices dropped 5c. per pound last week as the range of $2.15 to $2.75 per pound was changed to $2.10 to $2.75 per pound.

Benzyl Propionate—An increase of 15c. per pound was noted during the period under review as a new range of $1.80 to $2.45 was established.

Bromstyrol—There was a decided downward reduction in price last week as a 35c. per pound change established a range of $4.85 to $6.25 per pound. The previous range had been $5.20 to $6.25 per pound.

Cinammic Aldehyde — New quotations for this item included a 10c. per pound decrease on the inside establishing a range of 75c. to $1.15 per pound.

Diacetyl — Postings for flavoring grade marked a 30c. inside reduction, establishing a range of $5.20 to $5.55 per pound.

Eugenol—A 5c. price reduction on the inside for pure, U.S.P. XII, established a new range of $2.60 to $3.25 per pound. There was a slightly increased demand as this item was becoming important as a basic material in vanillin ex eugenol production.

Methyl Cinnamate — There was an inside reduction in the price range during the period under review as the item was quoted 25c. per pound lower in a range of $2.25 to $3.50 per pound.

Phenylacetaldehyde — There was a 10c. per pound reduction on the inside of the range for 50 percent as a new range of $2.35 to $2.50 per pound was established.

Phenylethyl Acetate—One producer quoted a price of $3 per pound during the period under review, an increase of 30c. per pound over the previous outside quotation of $2.70 per pound. The inside quotation in the range remained at $1.65 per pound.

Vanillin—Vanillin ex eugenol continued to be the only type available as strikes in the plant of a principal producer of vanillin limited supply almost completely. Prices for vanillin ex eugenol on the New York market ranged from $4.50 to $4.55 per pound, or almost twice the cost of vanillin when in normal production.

Trade Briefs

Degas Parfums Inc. has been organized in New York.

Parfums Dinard Inc. has been organized in New York to deal in cosmetics.

Lansella Parfumeur de Paris Inc. has been organized in New York to deal in perfumes and cosmetics.

Universal Marketing Corporation has been organized in New York to deal in cosmetics.

Monique Parfumes Inc. has been organized in New York to deal in cosmetics and perfumes.

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Lubricants and Asphalt For Sale as Surplus

The New York regional office of the War Assets Administration, 70 Pine street, is offering at open sale the following surplus materials:—

Graphite grease, in 5-pound cans, 79,020 pounds, located at Somerville, N. J. (NYS 191796).

Low-temperature grease, in 5-pound cans, 14,930 pounds, located at Linden, N. J. (NYS 571391).

Oil and grease absorbent, in 50-pound bags, 9,250 pounds, located at Harrison, N. J. (NYS 195261).

Road asphalt, 113° F. m.p., in steel drums, 833,140 gallons, located at Voorheesville, N. Y. (NYS 812389-1-1).

Shell Oil Advances Merkus, Dale, Cutting

Dr. P. J. Merkus, jr., until recently manager of the research and development department, of the Shell Oil Company, New York, has been appointed assistant to the vice-president in charge of manufacturing. Dr. Merkus succeeds H. D. Dale who was appointed manager of the company's Wood River, Ill., refinery. F. C. Cutting, assistant manager of the research and development department, succeeds Dr. Merkus as manager.

Smith Leaves Lago Oil To Join N. J. Standard

Lloyd G. Smith has resigned as president and general manager of Lago Oil & Transport Company, Aruba, Netherlands West Indies, to join the foreign refining coordination department of Standard Oil Company (New Jersey). Succeeding Mr. Smith at Lago, an affiliate of New Jersey Standard, will be John J. Horigan, who has been a director of Lago since 1942.

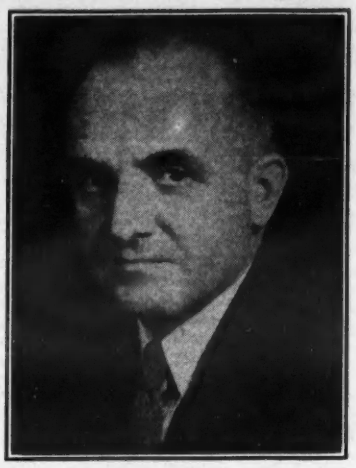
Trade Briefs

Wallace W. Hoge has been appointed assistant treasurer of Celanese Corporation of America. Mr. Hoge joined Celanese in March, 1945.

Time Oil Company has offered to negotiate with the United States Maritime Commission for the purchase of the steamship Normandie to be used as a storage tank for petroleum products.

Dwight F. Benton, assistant general sales manager in the Rocky Mountain division of the Standard Oil Company of Indiana, has been named general manager of the lubricating and sales technical service department of the company, effective October 1.

Western Representative



M. J. Bonham has been named technical service representative in the west for the Industrial Oil Products Corporation, New York. Mr. Bonham was chief chemist for Cook Paint & Varnish Company for several years, general manager of the McCloskey Varnish Company of the West, and recently has been in charge of production at the Chicago plant of the McCloskey company.

Standard Vacuum Elects Walden Board Chairman

Retirement of George S. Walden, chairman of the board since 1934, and the election of Philo W. Parker to succeed him has been announced by Standard Vacuum Oil Company. Mr. Walden became vice-president of Standard Vacuum upon its formation in 1933, becoming chairman of the board and chief executive officer the following year.

Mr. Parker, after many years of service with Standard Oil of New York in China, became a director of the company in 1931 and was named vice-president the following year. In 1933, he transferred to Standard Vacuum as a vice-president and was named president in 1934. Lloyd W. Elliot, who succeeds Mr. Parker as president, entered the oil business with Carter Oil Company prior to World War I. He was acting general manager of the Nederlandsche Koloniale Petroleum Maatschappj at the time of the Japanese invasion of South Sumatra in 1942. He returned to Standard Vacuum at the completion of the Philippine Campaign and was named a director in May, 1945. Later he became vice-president.

The company also announced the election of C. E. Meyer and C. K. Gamble as vice-presidents.

Lubricants Offered In Surplus Sale

Twenty-one lots of lubricating oils, greases, and compounds are offered for sale as government surplus goods by the War Assets Administration regional office at 1409 Second avenue, Seattle 1, Wash. The prices are fixed and range from $12.50 for 20 pounds of oildag to $8.142.89 for 116,327 pints of penetrating oil.

Details of the assortments are given in SE list No. G-96, dated August 27.

Socony-Vacuum Appoints Montgomery to New Post

The Socony-Vacuum Oil Company, New York recently announced the appointment of William H. Montgomery as manager of the industrial relations department. He succeeded W. H. Zabriskie, who has been appointed secretary of the company's manufacturing committee. Mr. Montgomery, assistant general superintendent of the Palembang refinery of the Standard-Vacuum Oil Company in the Dutch East Indies prior to the war, had been refinery manager of the Socony-Vacuum Lubrite division, East St. Louis, Ill., since 1943.

Fisher Heads Oil Group

J. B. Fisher, president of the Kendall Refining Company, Bradford, Pa., has been elected president of the National Petroleum Association. He succeeds H. A. Logan, of Warren, Pa.

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We manufacture and compound Hovey SPECIAL WAXES and Paraffins to your specifications and requirements. Your special problems scientifically solved by our laboratory technicians. Write, phone or wire.
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Petroleum Derivatives

Demand for solvents and diluents was active during the week, and while offerings were more than sufficient in the case of most materials, moderate supplies of several products limited deliveries to earlier buyers. Truck and shipping tie-ups froze stocks in New York in the initial portion of last week and had a lingering effect over the remainder of that period. Prices remained steady to firm.

The market for lighter fractions was quiet both in consumer interest and supply movements of heptane and hexane. Propane and butane were lively. Prices governing the market in lighter fractions ranged from steady to firm.

The demand for paraffin wax dropped to 149,000 barrels last June, according to the Bureau of Mines. This decrease was 48,000 barrels less than the demand recorded for May, and 106,000 barrels less than the demand recorded for June, 1945.

June production of wax totaled 65,520,000 barrels, while in May production reached 67,760,000 barrels, and in June, 1945, hit 70,280,000 barrels. Exports were 19,302,000 barrels in June, 16,171,000 barrels in May, and 8,755,000 barrels in June, 1945. Stocks in June were 81,760,000 barrels, compared with 77,280,000 in May, and 71,400,000 in June, 1945.

An amendment to the regulations under the Connally "Hot Oil" act, which will reduce by about 60 percent the number of reports required on oil shipments by tanker, barge or other vessels, has been signed by President Truman.

Solvents and Diluents

Aromatic Naphthas—Increasing demand became apparent last week as prices remained steady. Orders in most cases were being filled easily, although deliveries were slowed in some localities.

Cleaners' Naphtha—Demand held fairly constant at a high level, with tendencies to increase on the West Coast. Seasonal consumers were the primary buyers. Prices remained steady.

Lacquer Diluent—Supply continued the same, although buyer inquiries were slightly more frequent during the week being reported. Prices were at the levels in effect during the previous week.

Mineral Spirits—The volume of offerings remained fairly liberal during the week, and demand remained steady. Prices were steady and unchanged.

Rubber Solvent—Buyer inquiries continued to be frequent, without any marked tapering off from the high level of the past month. Moderate offerings were available at unchanged prices.

Stoddard Solvent—Firm prices prevailed throughout the week under review, with buyer inquiries fairly constant. Supply held steady, and contracts were met with substantial deliveries.

V. M. & P. Naphtha—Buyer inquiries remained constant during the week and offerings maintained a satisfactory level. Substantial quantities of the derivative were made available. Throughout, prices continued firm.

Markets at Other Centers

Chicago.—Trade was active in this general division wherever sufficient quantities of material are available. Rubber industry requirements were especially extensive. Tone generally was firm.

Aromatic Solvents — Active interest, firm market.

Cleaners' Naphtha — Business good, quotations steady.

Lacquer Diluent—Orders fair, without price change.

Mineral Spirit—Call holding up, prices strong.

Rubber Solvent — Inquiries large, steady market.

Stoddard Solvent—Movement fair, no price change.

V.M.&P. Naphtha—Business moderate, strong quotations.

Los Angeles.—Demand and buying interest in Class A and Class B type aromatic solvents remained unchanged. Cleaners' naphtha and lacquer diluent also were in keen demand.

Market Trends

None

Prices Advanced

None

Prices Reduced

(For Current Prices see Page 9)

Lighter Fractions

Butane—Material continued to move steadily and in fairly large amounts into the hands of synthetic resin manufacturers, and general activity in this derivative continued highly favorable. Prices held firm throughout the trade and fulfillment of earlier orders took place steadily.

Heptane—Buyer interest in this material continued quiet, and orders were being filled with more frequency as supply remained satisfactory. Prices were firm and unchanged. Buyer inquiries were rated routine in volume.

Hexane—The market for this derivative continued quiet, as only routine deliveries were made. Offerings remained normal and response fair. Prices remained steady in the week under review.

Pentanes—Movement of material to contract consumers continued on a routine scale. Generally, however, the market remained stable, both in supply and buyer demand. No price changes were reported in the period being reviewed.

Propane—Active buyer interest continued from the previous week, as industrial consumers maintained a keen demand for fuel material. There were no price fluctuations reported in the period under review.

Markets at Other Centers

Chicago.—Material was in good call in this market and the market seemed to be holding its own fairly well in the aggregate. Suppliers were getting good orders in many cases.

Butane—Interest active, market unchanged.

Heptane — Orders fair, quotations steady.

Hexane—Trade good, prices holding.

Octanes—Movement good, no market change.

Pentanes—Material in fair call, quotations firm.

Propane — Active demand, no price change.

Los Angeles.—Propane and butane continued in good call. Supplies were reported to be very liberal in this area.

Petrolatums and Waxes

Microcrystalline Waxes — Demand continued at its high level as the tightness of stocks, previously reported, continued. Prices remained steady during the period under review. Past orders were being filled despite the supply shortage reported by some producers.

Paraffin—Buyer demand continued strong as the supply of this material remained at a low level. Some producers stated that there is no prospect of any considerable supply increase for at least a year. Prices remained strong. According to reports a price rise is expected next month. The extent of this rise was not known.

Petrolatums—Inquiries from buyers continued with frequency, although the supply remained poor. One producer stated supply levels were at their worst. No price changes were reported during the week under review.

White Mineral Oil—Stocks continued in fairly good supply, and buyer interest rose slightly over the previous week. Prices remained steady and unchanged throughout the trade.

Crude Oil Output

The daily average production of crude petroleum in June increased 111,000 barrels to 4,896,000 barrels, according to the Bureau of Mines. The principal changes were an increase of 108,000 barrels daily for Texas, a decline of 6,000 barrels daily for Illinois, and a gain of 4,000 barrels daily for Colorado.

For Late Market Developments, See Page 4

Markets at Other Centers

Chicago.—Movement of products in this general category was extensive. Activity in the market was meeting expectations fully.

Paraffin—Call good, market steady.

Petrolatums — Interest brisk, without price change.

White Mineral Oils—Call extensive, quotations firm.

Los Angeles.—Paraffin wax retained its oversold position, and buyer demand continued high.

Fuels and Lubricants

Gasoline—Demand continued at normal level, with no change reported in the supply picture. Prices remained steady during the week under review.

Kerosene—A tendency to pile-up supplies was noted in the East during the period. No price changes were recorded, and demand remained small throughout the trade.

Markets at Other Centers

Chicago.—Material was moving out fairly well to buyers in this division of the petroleum market. Seasonal requirements of automotive products were proving to be of large quantity.

Gasoline—Call good, market steady.

Kerosene—Interest better, prices holding.

Lubricating Oils — Orders extensive, quotations firm.

Barber Asphalt Holders To Study Oil Royalties Sale

Stockholders of the Barber Asphalt Corporation will meet October 4 at Barber, N. J., for the purpose of considering selling the company's Venezuelan oil royalties to the Shell Petroleum Company of London. The meeting also will consider sale of an interest in the company's petroleum refining and marine terminal facilities at Barber to the Standard Oil Company of California.

Trade Briefs

Northeastern Petroleum Company has been organized in New York.

Batavian Oil Company's Dubbs installation near Rotterdam, Holland, destroyed by the Germans, again is in service. Since installations at Rouen, France, and in Germany are out of service, Batavian is operating the only cracking installation in Western Europe.

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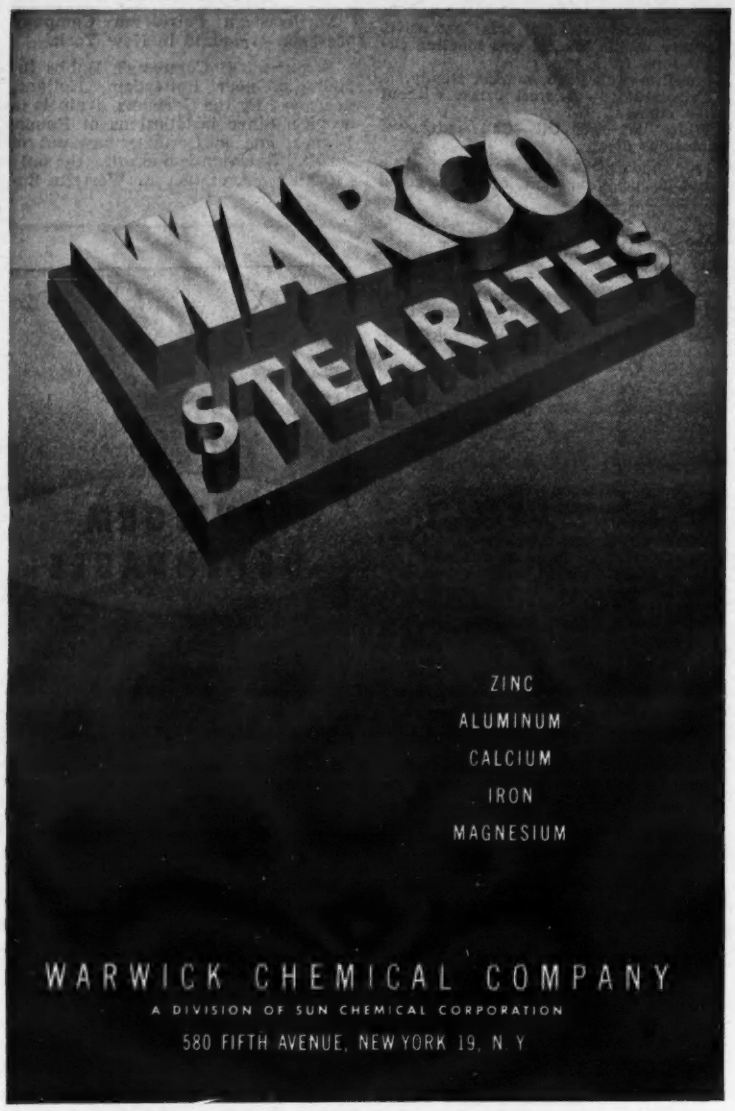

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AHCO PRODUCTS

METHYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CC.

BUTYL STEARATE

BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number, 171-179 mg. KOH per gram ester	
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

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Protective Coatings Materials

Price changes in twenty-one dry and chemical colors will be made effecting by one producer October 1, with increases ranging from 5c. to $4.45 per pound. Tungstated victoria blue will register the greatest advance. Tungstated brilliant green toner, Victoria blue (tungstic), and permanent methyl violet also will receive considerable mark-ups. The smallest rise will be accorded Graphic red. Concurrent with the announcement of these price rises, a report was issued by the Bureau of the Census which indicated substantial increases in the production of chrome colors during the month of July. Other advances reported last week were in butyl acetate and butyl alcohol.

The protective coatings materials market, generally, was in a tight supply condition last week. This condition resulted in trading that was sluggish, and, at best, erratic. Buyers' calls for materials continued strong, but relatively few new orders were filled.

Metallic Lead and Zinc

Lead — Supply continued in its severely restricted condition, while buyer demand was intense during the week under review. Unavailability of basic materials virtually halted the output of some producers. Pig lead was quoted last week at 8¼c. per pound, New York.

Zinc—Supply of this material remained low, and the demand high. In June a general decline in zinc stocks, production, shipments and receipts took place, according to the Bureau of Mines, and slab zinc inventories at consumers' plants decreased for the first time in 1946. Stocks of zinc oxide and zinc dust at producers' plants continued to decline. Inventories at zinc smelters remained unchanged at the time of the June report.

Pigments

Blue Lead—Prices continued steady at previous quotations in a tight market. Although buyers continued inquiries for available stock, only a small portion of the demand was met.

Litharge—Stocks remained severely restricted and orders were filled in small lots. Demand continued heavy, however, in spite of the scarcity admitted by producers. Prices remained steady.

Lithopone—The supply picture in this material remained dismal, and no hope was expressed by producers for an improvement within many months. The frequency of buyer inquiries, however, was high despite the fact that the supply was limited to raw materials. No price changes were recorded during the period under review.

Orange Mineral—Inadequacy of the pig lead supply continued to curtail stocks and slow down buyer inquiries. Regular consumers continued to receive preference in what deliveries there were. Prices remained steady and unchanged.

Red Lead—Buyer calls remained frequent despite the low-point of supplies. Shortages in pig lead continued to restrict production, and no forecasts of improvement in the situation were reported. Prices continued steady.

White Lead—Production is going ahead in this material, and is almost keeping up with demand. Reports of a price advance were unsubstantiated.

Zinc Oxides—The market remained dull, with little or no change in the supply-demand picture. Prices were unchanged during the week.

Zinc Sulphides—Stocks continued to decline, although buyers were still active in attempts to fill orders. Prices held steady.

Dry and Chemical Colors

Alkali Blue—One producer reported a 10c. increase in the ink grade to become effective October 1. The quotation at that time will be 95c. per pound. The dry blue will be raised 15c. per pound to $1.90 October 1 by the same company.

Benziden Yellow—It was announced that there would be a 10c. increase in price to $1.45 per pound effective October 1 in the schedule of one manufacturer.

Brilliant Toning Blue — A price change of 10c. per pound to $1.30 per pound, effective October 1, was reported by one firm.

Market Trends

Prices Advanced

Alcohol, butyl, normal, 2.1c. per gal. (except Ill., Ind. production).
Butyl acetate, normal, 1.8c. per gal. (except Ill., Ind. production).

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
154.5	154.5	147.4	140.2

(For Current Prices see Page 9)

Chrome Colors—July production of chrome green (C.P.) totaled 1,416,000 pounds, compared to the June output of 1,322,000 pounds, according to a Bureau of the Census report. Chrome yellow and orange (C.P.) production for July amounted to 3,471,000 pounds, an increase of 490,000 pounds from the June total. Molybdate chrome orange (C.P.) marked a 65,000 pound increase over the June output as the July figure reached 430,000 pounds. Zinc yellow (C.P.) production in July was 247,000 pounds, an increase of 26,000 pounds from the June level.

Dinitranalin Orange—An increase of 7c. per pound to $1.12 will be effected October 1 by one producer.

Fire Red Toner — This material showed an increase of 7c. per pound to 92c. per pound on the records of one manufacturer, effective October 1.

Graphic Red—A primary producer of this product registered a price rise of 5c. to 65c. per pound, effective October 1.

Hansa Yellow — Hansa yellow G showed a price rise of 11c. per pound to $1.45 per pound by one firm, and Hansa yellow 10G was marked up 15c. to $1.90 per pound, both effective October 1.

Lake Red C—An increase of 7c. per pound to 97c. per pound was made by one company in this material, effective October 1.

Molybdated Purple—One manufacturer announced an advance of from 5c. per pound to 65c. per pound for this material, effective October 1.

Orthonitranalin Orange—A 6c. per pound to 86c. per pound increase was made in this material effective October 1 by a principal producer.

Para Red—Effective October 1 the price of this material, as announced by one firm, will be raised 5c. per pound to 75c. per pound.

Methyl Violet — Permanent methyl violet will be increased in price 15c. to $2.25 per pound by one company, and tungstated methyl violet 10c. to $1.15. Both prices are announced as effective October 1.

Runineox Toners—A price rise of 8c. to $1.18 per pound, effective October 1, was announced by one firm.

Toluidine Red—Effective October 1, an 8c. per pound to $1.13 per pound increase in this material will be made by one firm.

Tungstated Brilliant Green Toner—An increase of 25c. per pound to $4 per pound was announced by one producer as effective October 1.

Tungstated Rotamane Toner — This material will rise 30c. per pound to $4.45 per pound in one firm, effective October 1.

Blues—A price rise registered by one producer will take place October 1, in which tungstated victoria blue will rise from 15c. per pound to $1.93 per pound, and Victoria blue (tungstic) will rise 25c. per pound to $3.55 per pound.

Driers and Flatteners

No verification was received during the period as to whether ceilings on metallic soap driers have been lifted by the Office of Price Administration. Despite continued efforts on the part of producers to obtain a ruling, none was forthcoming. Reports were brisk throughout the trade that ceilings were off naphthenates, resinates and stearates, but these were not authenticated.

Naphthenates—One producer stated a conviction that ceilings were off this material; the factuality of this could not be definitely established, however. Other producers, who believed ceilings had been voided, also stated that prices had not changed and that no advances

For Late Market Developments, See Page 4

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were anticipated currently. Supply remained good and demand fairly brisk.

Resinates—This material was down slightly in supply volume, although no changes were registered in prices or in the frequency of buyer inquiry. Reports of ceiling liftings were unsubstantiated.

Stearates — A principal producer stated that no definite word had been received from OPA in regard to the ceiling for this material. Reports to the contrary, however, were rife. The supply remained tight, and the demand strong.

Lacquer Materials

The strike in the plants of a principal producer of phthalic anhydride, and the shortage of crude naphthalene maintained its shackling effect on trading during the week under review. No authentic indications were available as to when this condition would be alleviated.

Butyl Acetate—A price rise of 1.8c. per gallon was reported for normal fermentation, produced outside Illinois and Indiana. Drums are now quoted c.l. 20.8c., and l.c.l. 21.3c. Tanks, 19.8c.

Butyl Alcohol—A price rise of 2.1c. per gallon was reported for normal fermentation, produced elsewhere than Illinois and Indiana. Drums are now quoted c.l. 21.6c., and l.c.l. 22.1c. Tanks, 20.6c.

Naval Stores

The situation in the market was improved last week as freer trading was reported. There was an unusually active export demand. Domestic consumers were buying only for immediate use as indifference was sponsored by shortages in other materials used in manufacturing processes. There was practically no inventory buying noted, and indications were that consumer inventories were very low.

Rosin—The export demand for rosin greatly exceeded domestic demand last week. It was also reported that since the lifting of price ceilings the market has advanced only 10.7 percent, a comparatively low figure when the advances in other items are considered. Interest in the Chicago market was keen, but suppliers reported that they were unable to offer in volume because of the price and supply situation. Ruling prices in five-drum lots were: B grade, $8.25 per 100 pounds net; G grade, $9.33; M grade, $9.33; WW grade, $9.37.

Savannah, Sept. 20.—Following is a record of the rosin market for the week:—

	Price per unit — Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.80	$6.80	$6.80	$6.80	$6.80
D	6.80	6.80	6.80	6.80	6.80
E	7.33	7.33	7.56	7.56	7.33
F	7.33	7.33	7.56	7.56	7.66
G	7.48	7.48	7.56	7.56	7.66
H	7.48	7.48	7.56	7.56	7.66
I	7.48	7.48	7.56	7.56	7.66
K	7.48	7.48	7.56	7.56	7.66
M	7.48	7.48	7.56	7.56	7.66
N	7.48	7.48	7.56	7.56	7.66
WG	7.55	7.55	7.56	7.56	7.66
WW	7.60	7.60	7.66	7.66	7.80
X	7.60	7.60	7.66	7.66	7.80
	Drums				
Sales	107	...	161	...	243
Receipts	55	191	156	122	13,891
Shipments	...	...	...	205	13,747
Stocks	14,246	6,804	14,593	14,510	14,654

Turpentine — It was rumored last week that producers of gum turpentine had requested an 18c. per gallon ceiling increase. The request was reported to have been in the interest of increasing supply which has been falling far short of consumers' needs. Prices remained firm at the new ceiling during the period under review. The Chicago market reported that buyers were in the market rather extensively for material, but apparently were unable to find the quantities needed. The market tone was strong with ruling prices of $1.20 per gallon in five-drum lots, and $1.24 per gallon for single drums.

Savannah, Sept. 20.—Following is a record of the turpentine market for the week:—

	Bulk gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Monday	$1.05	...	67	...	2,936
Tuesday	1.05	...	565	207	3,314
Wednesday	1.05	960	60	...	3,374
Thursday	1.05	...	...	33	3,341
Friday	1.05	...	269	189	3,421

Glues and Binders

Casein — The industry remained stalemated while waiting for the government to place a new ceiling on casein or remove it from controls completely. Market conditions remained extremely tight under the existing ceiling. Another factor binding the market was the price of 40c. in the Argentine market, which prohibited business transactions. Producers were expecting word during the week on the new price the Argentine government is scheduled to impose on casein in that country. Imports last week totaled 4,640 bags from Argentina.

Fillers and Extenders

Asbestos—Stocks maintained a good level as production, both domestic and foreign, continued normally. Buyer demand was fairly strong, and prices remained steady during the week under review.

Barytes—This material registered no change during the period. Trading was routine and prices remained unchanged.

Chalk—Prices here and abroad were unchanged during a week of normal demand. Supply continued fair.

China Clay—Supply became tighter and buyer demand more intense during the period. Prices were fairly steady at previous levels.

Whiting—Demand continued normal last week as stocks were available in fairly good quantities. Prices held at their previous levels, although price increases were thought possible in the near future.

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Lead Shortage

—Continued from page 5

dealer or refinery level seem imminent, however, the Civilian Production Administration will take prompt action to prevent their accumulation and to insure a continuous flow of scrap to secondary refiners, and metal into the lead consuming industries.

I have asked the Civilian Production Administration to investigate carefully the possibility of a shutdown of the automobile industry resulting from a shortage of lead. They assure me that insofar as the major lead-consuming item is concerned, automobile batteries, there is absolutely no prospect of an interruption of automobile production caused by unavailability of lead for batteries. The battery manufacturers have consistently given new automobile production priority over replacement use, and as you know a relatively small percent of the batteries go into new vehicles. As regards solder and bearings, the quantities of lead required are relatively small and CPA is convinced that no interruption in automobile production should result which could be attributed to shortage of lead. In spite of this, I assure you that the government will continue to press vigorously for a solution to this problem along the lines above outlined, and I call upon you and your associates to cooperate with us in every possible way.

A plan to allow battery manufacturers to carry over 20 percent of any unused quarterly lead allotments into the next quarter of the year has been recommended by the American Battery Industry Advisory Committee to the Civilian Production Administration. This plan would permit the battery manufacturers to utilize more fully their permitted quantities of lead.

As an example, industry spokesmen said, the battery manufacturers were permitted to use approximately 58,000 tons of lead in the third quarter but were able to obtain only about 54,000 tons.

If this plan is adopted, John E. Graham, chief of the CPA automotive branch, reported, any battery manufacturer whose production was curtailed in a quarterly period because of shortages of lead, or for other reasons would be able to make up at least part of his production at a later date.

CPA officials told committee members that the lead shortage continued critical because of low domestic production and small imports. In addition, the sharp drop in government lead stocks from around 100,000 tons at the first of the year to a current low of 38,000 tons had made it necessary to freeze government holdings at the latter level, CPA said.

Answering the contention of several industry men that a higher price was the sole key to increased production, Frank H. Hayes, director of the CPA metals and minerals division, outlined the current lead situation as follows:—

1. The current small imports of lead are not caused by the domestic price ceiling of 8¼ cents a pound. All imports are made under a public purchase program which allows the Office of Metals Reserve, Reconstruction Finance Corporation, to pay whatever price is necessary to get the production and to sell this lead at the domestic ceiling price. The amount of foreign lead available to the United States is limited because the world supply is inadequate to meet even the restricted world demand.
2. The premium price quota plan, by paying premiums for over-quota production, offers all mine producers in the United States an opportunity to produce lead.
3. Domestic lead production is hampered principally by the lack of development work in the mines in the last fifteen years.
4. The mines are encountering difficulty in recruiting sufficient workers, although wages in the mines compare favorably with those in most other industries. However, there are many unemployed people in the mining towns who would not work in the mines no matter what the wage scale might be.

The current domestic lead demand is running in excess of 1,000,000 tons annually, the agency said; whereas, indicated supply is around 750,000 tons. This latter figure includes an estimate of 350,000 tons of domestic production, 300,000 tons of secondary scrap recovery, and 100,000 tons of imports.

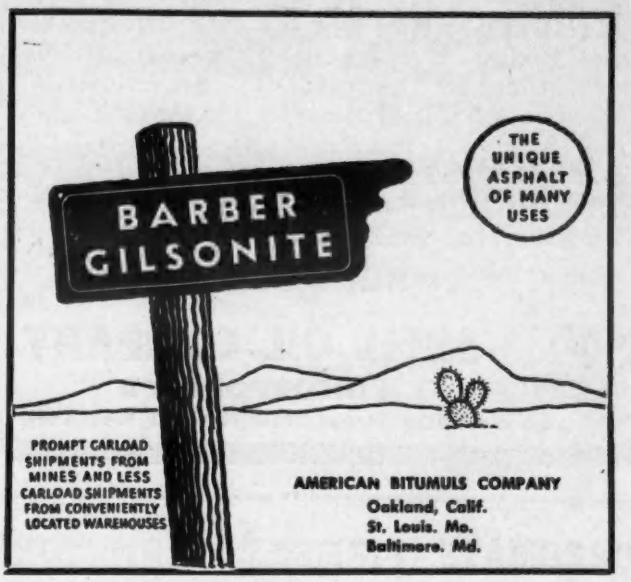
With this wide gap between estimated supply and demand it is obvious that many lead users will be required to take reductions in quotas, CPA said. While the battery manufacturers may expect a better delivery of the authorized usage during the fourth quarter than they were able to obtain in the third quarter, nevertheless, in terms of lead tonnage allocated it may not exceed the third quarter permitted usage.

Solder Surplus For Sale

In a further effort to help relieve critical shortages of lead-and-tin base solder, War Assets Administration announced September 18 that approximately 2,500,000 pounds of surplus, government-owned material of this kind, valued at nearly $1,000,000, will be offered for immediate sale.

Believing that surplus lead-and-tin base solder was not moving rapidly enough under former sales methods, Robert M. Littlejohn, War Assets Administrator, notified all regional directors to make available for sale at once their full inventories of this material.

Solid solder (bar, wire, and other forms) will be offered at fixed prices based on the current market price for the metal content, less 1 cent per pound. Acid-core and rosin-core solders will be offered on a sealed bid basis.



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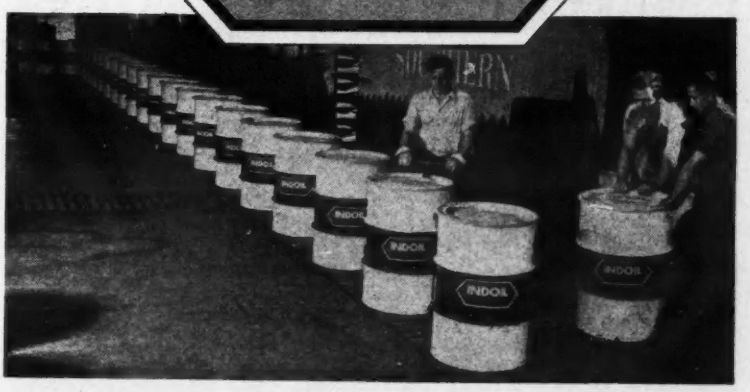

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Carbide & Carbon Names Joslin Detroit Manager

Richard M. Joslin has been appointed manager of the Detroit office of Carbide & Carbon Chemicals Corporation, New York. Mr. Joslin has been with the corporation since 1935. He served as a technical representative in the Philadelphia area and, for the past two years, has been manager of the Charlotte, N. C., office. He replaces George D. Garrett, jr., Detroit district manager since 1940, who is joining Carbide & Carbon Chemicals, Ltd., Toronto.

Paint Technology Courses Planned at Bklyn. Poly

The department of chemical engineering of the Polytechnic Institute of Brooklyn will offer two new graduate lecture courses on paint and pigment technology and oil, resin and varnish technology for the Fall and Spring terms.

Henry Fleming Payne, technical editor of the American Cyanamid Company and instructor in chemical engineering at Polytechnic Institute will present the courses, consisting of fifteen lectures in each semester for each course. They will start September 23.

Current Prices

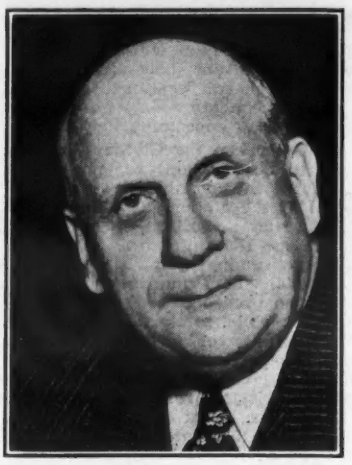
—Continued from page 34

Zinc sulphite,[1] pure, bgs., c.l., dlvd.	lb.	.0840- —
l.c.l., dlvd.	lb.	.0865- —
Barium pigment,[1] bgs., c.l., dlvd.	lb.	.0575- —
l.c.l., dlvd.	lb.	.06 - —
Calcium pigment,[1] bgs., c.l., dlvd.	lb.	.0575- —
l.c.l., dlvd.	lb.	.0600- —
Fluorescent pigment,[1] works, frt. alld.	lb.	.0915- —
Magnesium pigment,[1] bgs., c.l., dlvd.	lb.	.0590- —
l.c.l., dlvd.	lb.	.0615- —
Zinc sulphide and pigments, prices ¼c. higher; bbl. prices ¼c. higher than bgs.	Pac. coast	
Sulphocarbolate, NF, bbls., dms.	lb.	.28 - .30
Sulphoxylate formaldehyde, basic, dms., works, frt. alld.	lb.	.17 - —
normal, dms., works, frt. alld.	lb.	.35 - —
Tallate, 5% Zn, dms.	lb.	.09¾- —
Yellow (see Yellow, zinc).		
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.65 - —
l.c.l., works	100 lbs.	6.70 - —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld.	lb.	2.00 - 2.80
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06 - -
l.c.l., dlvd. E. of Rockies.	lb.	.06½- —
Pac. cst.	lb.	.06½- —
ex whse., Pac. cst.	lb.	.07 - —
Zirconium acetate, solut., bbls., works.	lb.	.25½- —
Hydride, cns., works	lb.	7.00 - 8.00
Nitrate, bgs., works	lb.	3.00 - 4.00
Oxide, 88%, grd., bbls., c.l., works.	lb.	.22½- —
l.c.l.	lb.	.22¾- —
white, 98½%-99%, grd., kgs., works.	lb.	.80 - —
milled, electric, fused, 2,000-9,999 lbs., works.	lb.	.40 - —
500 lbs. and less, same basis.	lb.	.49 - —
Oxychloride, crust., bbls., 5 tons, works.	lb.	.29½- —
Sulphate, basic, cake, bbls., c.l., works.	lb.	.18 - —
l.c.l., works	lb.	.18½- .20
smaller lots, works.	lb.	.20 - .21¼

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for Sept. 2.

25th Anniversary



E. L. Hess is celebrating his twenty-fifth anniversary as vice-president and general manager of Rogers Paint Products, Inc., Detroit, formerly the Detroit White Lead Works. He has been with the organization for thirty-eight years.

Trade Briefs

Bostonian Process Corporation has been organized in New York to deal in plastics and synthetic materials.

York Plastics, Inc., has been organized in New York by Arvin S. Chasbey, Victor A. Altabe and Howard Ornstein.

Super Plastics, Inc., has been organized in New York by Jacob J. Schulder, Clara Creditor and Evelyn Berman.

George Shelton, jr., has purchased the plant of Filtered Rosin Products, Inc., Valdosta, Ga., which he has operated for ten years.

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Oils, Fats and Waxes

Highlights of the oils and fats market last week, were the increased ceilings on castor and linseed oils. OPA raised the price of dehydrated castor oil 7.4 cents per pound and No. 1 and No. 3, 5.2 cents per pound, tankcars, effective September 18. Castor beans ceilings also were increased $47 per ton, c.i.f. Linseed oil was raised 2 cents per pound for raw oil and 9.9 cents per gallon for replacement oil, also effective September 18.

Crushers of linseed oil turned down business at the new ceiling, but some orders were reported booked for prompt delivery upon an open billing basis.

Consuming demand for drying oils by paint makers and other users for prompt delivery continued exceedingly heavy, but with supplies unobtainable, business was practically at a standstill. Recent imports of oiticica and tung oils were delivered against former orders, but no stocks have been available for resale for some time past. The scarcity of these oils has affected the production of paints and other products. Consumers were in the market for new crop domestic tung oil. Producers refused bids at the ceiling, in the expectation that prices would be increased.

Production of cottonseed and peanut oils was reported increasing, but crushers restricted trading to deferred shipment, at the ceiling at the time of shipment. Offerings for immediate shipment were light. Inquiry for now crop soybean oil was active, but producers were practically out of the market.

Cottonseed Oil

Inquiry for new crude oil continued active, with crushers booking some business for nearby shipment at the prevailing ceiling at the time of shipment. Offerings for immediate shipment were reported light. Reports from the South stated that crude sales are made with the proviso that refiners return at least 5,000 pounds of refined oil for each tankcar of crude oil. Seed was reported delivered to mills on consignment, the price to be adjusted when and if ceiling is changed.

Cottonseed oil consumption totaled 218,905 barrels in August, compared with 238,948 barrels, for the same month last year. Visible supply of seed and oil was estimated at 656,000 barrels, against 814,300 barrels, a year ago.

Memphis, Sept. 19.—Urgent demand for all cottonseed products, with crushers not offering. Mills are taking seed on consignment, the price to be adjusted when and if ceiling is changed. Weather fine for maturing cotton crop, picking increasing daily.

Linseed Oil

Ceilings on raw linseed oil were advanced 2c. per pound and 9.9c. per gallon on replacement linseed oil by OPA, effective September 18. Crushers would not accept business, claiming that production costs were still above the new ceilings. However, some business was reported on an open billing basis late in the week. OPA stated that no determination has yet been made as to the effect of the increase on retail paint ceilings. Raw oil in tankcars was quoted at 18c. per pound and 18.80c. per pound, in drums, carlots. Replacement oil at 17.10c. per pound, tankcars and 17.90c. per pound, drums, carlots.

Minneapolis, Sept. 18.—Linseed crushers, faced with chaotic price conditions and unable to sell oil—even at the advanced OPA ceiling of 2c. per pound—under the present set up continued to hold to their resolution not to make sales until relief came. In the interim the crushers have been operating their plants at 65 to 75 percent of capacity, satisfying old contracts made at ceilings and storing the rest of the production until such time as they can come out with a profit on their efforts.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	4,560,000	6,540,000
Since Sept. 1	16,500,000	17,640,000

Flaxseed—Buying interest in seed slackened last week. Receipts were smaller. Market was firm at $4 per bushel.

Minneapolis, Sept. 18.—Flax receipts in the Minneapolis market fell off sharply for the week, reflecting lack of interest in marketing on the part of producers who now are assured the $4 ceiling on any flax they might market through 1946 and 1947. Further complicating the situation was the shortage of freight cars and the higher costs of trucking seed to market. Crushers and merchandisers, who own flax in the country, will probably move it to market by truck, but as soon as this movement is over it is expected that rail movement will get first call.

	Receipts 1945-46	Receipts 1944-45	Shipments 1945-46	Shipments 1944-45
This week	676,600	1,936,000	188,700	114,000
Since Sept. 1.	2,625,700	5,711,000	623,600	478,000

Buenos Aires, Sept. 20—No flaxseed shipments were made last week. Visible supply was indicated at 3,150,000 bushels.

London, Sept. 20.—Linseed oil, spot, quoted at 135s.

Hull, Sept. 20.—Flaxseed, Bombay, £46½ nominal, September; Calcutta, £37 nominal, September; La Plata not quoted.

Other Vegetable Oils

Castor, Dehydrated — Ceilings on castor oil were advanced 5.2c. and 7.4c. per pound, by OPA according to grade, effective September 18. Dehydrated bodied and unbodied were increased 7.4c. per pound to 26.39c. and 25.39c. per pound, tankcars, respectively. No. 1 and No. 3 were advanced 5.2c. per pound to 19.50c. and 19.20c. per pound, tankcars, respectively. Oil in drums was raised 5¼c. per pound. Castor beans ceilings were increased $47 per ton, as follows: Atlantic and

Market Trends

Prices Advanced

Castor oil, dehydrated, 7.4c. per lb.
Nos. 1 and 3, 5.2c. per lb.
Linseed oil, 2c. per lb.
replacement, 1.1c. per lb.
fatty acids, 3.3c. per lb.

Prices Reduced

Ouricury wax, 2c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
205.8	204.6	204.6	193.3

(For Current Prices see Page 9)

Cottonseed Crush Decreased: August

Cottonseed received and crushed and production of cottonseed products from August 1 through August 31, 1946, as compiled by Bureau of the Census, follows:—

Cottonseed

	Tons 1945-46	Tons 1944-45
Receipts	[1]110,983	113,982
Crushed	88,540	128,165
On hand Aug. 31	140,411	209,165

Crude Oil

	Pounds 1945-46	Pounds 1944-45
Produced	26,021,000	37,517,000
Shipped	24,304,000	26,733,000
On hand Aug. 31	[2]27,114,000	37,612,000

Refined Oil

	Pounds 1945-46	Pounds 1944-45
Produced	[3]21,354,000	53,102,000
Shipped	.....	.....
On hand Aug. 31	[4]197,152,000	233,148,000

Cake and Meal

	Tons 1945-46	Tons 1944-45
Produced	37,972	54,947
Shipped	42,591	66,521
On hand Aug. 31	27,765	40,684

Hulls

	Tons 1945-46	Tons 1944-45
Produced	19,841	28,672
Shipped	20,115	33,280
On hand Aug. 31	25,276	57,089

Linters

	Bales 1945-46	Bales 1944-45
Produced	[5]26,112	36,055
Shipped	15,274	36,072
On hand Aug 31	[6]46,346	18,559

[1] Includes 992 tons destroyed during 1945-46. Does not include 117,968 and 219,340 tons on hand August 1, 1946 and 1945, respectively, nor 15,588 and 3,346 tons reshipped during the seasons 1946-47 and 1945-46.

[2] Includes 12,090,000 pounds at oil mills, 10,565,000 pounds at refining and manufacturing establishments, and 4,459,000 pounds in transit.

[3] Produced from 23,999,000 pounds of crude oil.

[4] Includes 186,650,000 pounds at refining and manufacturing establishments and 10,502,000 pounds held elsewhere and in transit.

[5] Includes 6,624 bales first cut, 16,604 bales second cut, and 2,884 bales mill run.

[6] Includes 24,264 bales first cut, 18,859 bales second cut, and 3,223 bales mill run.

For Late Market Developments, See Page 4

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Gulf ports, $165 per ton, c.i.f. and Pacific Coast ports, $167.18, per ton c.i.f. Consuming demand was heavy and exceeded supplies.

Coconut—Moderate trading was reported in crude and refined oil at ceilings. Larger receipts of copra, of late from the Philippines, were reflected in the production of oil and supplies were more liberal. Arrivals of copra totaled 4,410 tons at Baltimore from the Philippines last week for allocation.

Corn — Inquiry for crude and refined oils continued urgent. Supplies were unavailable and the limited production was absorbed on previous contracts.

Oiticica — Business was reported slow, owing to the lack of supplies on the spot. Offering for shipment from Brazil were scarce. Demand continued active. Market ruled firm at ceilings.

Olive — While buying interest was keen, business was slow, as holders of light supplies refused to accept bids at the ceilings. Imports were reported at 2,560 drums at New York from Seville last week. This oil was delivered against the refined soybean oil quota shipped recently to Spain in exchange for olive.

Peanut—Some new crop oil was reported sold at the prevailing ceiling at the time of shipment, and the exchange about 5,000 pounds of refined oil was required for each tank of crude. Limited trading, however, was expected, until more information is received from Washington concerning the amount to be crushed.

Soybean—Consumers were bidding at ceilings, for new crop oil but producers were practically out of the market. Offerings continued scarce.

Tung—Demand was unprecedented for spot and prompt delivery. Recent imports have been delivered against former contracts and no oil has been available for resale for some time past. Consumers were bidding at ceilings for new crop domestic oil, but producers refused to accept business, and were reported to be seeking an adjustment of prices to a higher level. Offerings for shipment from China was light and spasmodic and accepted at ceilings. The Chinese market was reported irregular with most offerings quoted above ceilings.

Fats and Greases

Greases — With production at the lowest levels in years, stocks continued scanty and trading was restricted to small drum lots at ceilings. Consuming demand was active.

Lard — Demand continued active. Trading was limited to small lots, owing to scarcity of offerings. Prices were firm at ceilings. Stocks of lard, including rendered pork fat in the United States totaled 43,220,000 pounds, September 1, compared with 68,989,000 pounds, for the same time last year and the September 1 five year average of 188,529,000 pounds. Chicago lard stocks were 3,361,540 pounds, September 15 against 7,590,220 pounds, a year ago.

Tallow—Consumers were bidding at ceilings, with renderers restricting sales to small drum quantities. Production was at low ebb, in view of the steady decline of slaughtering operations. A quota of 1,300 tons of pressed and industrial tallow to be exported from Uruguay in 1946 was authorized by a decree of July 20 and a quota of 2,000 tons of edible tallow and fats was authorized July 17.

Animal Oils

Degras—Demand was moderate and spasmodic. Stocks were adequate to meet current requirements. Prices were fairly steady.

Grease Oil—Business was light and supplies were scarce owing to sold production.

Neatsfoot Oil — Limited production was well held at ceilings. Trading was confined to small quantities. Sales of government surplus neatsfoot oil totaled 57,592 pounds in 5-gallon cans at 15c. per pound, Memphis, Tenn., were reported by the Department of Agriculture, September 5.

Oleo Oil—Inquiry was moderate and with stocks scarce the market remains firm at ceilings.

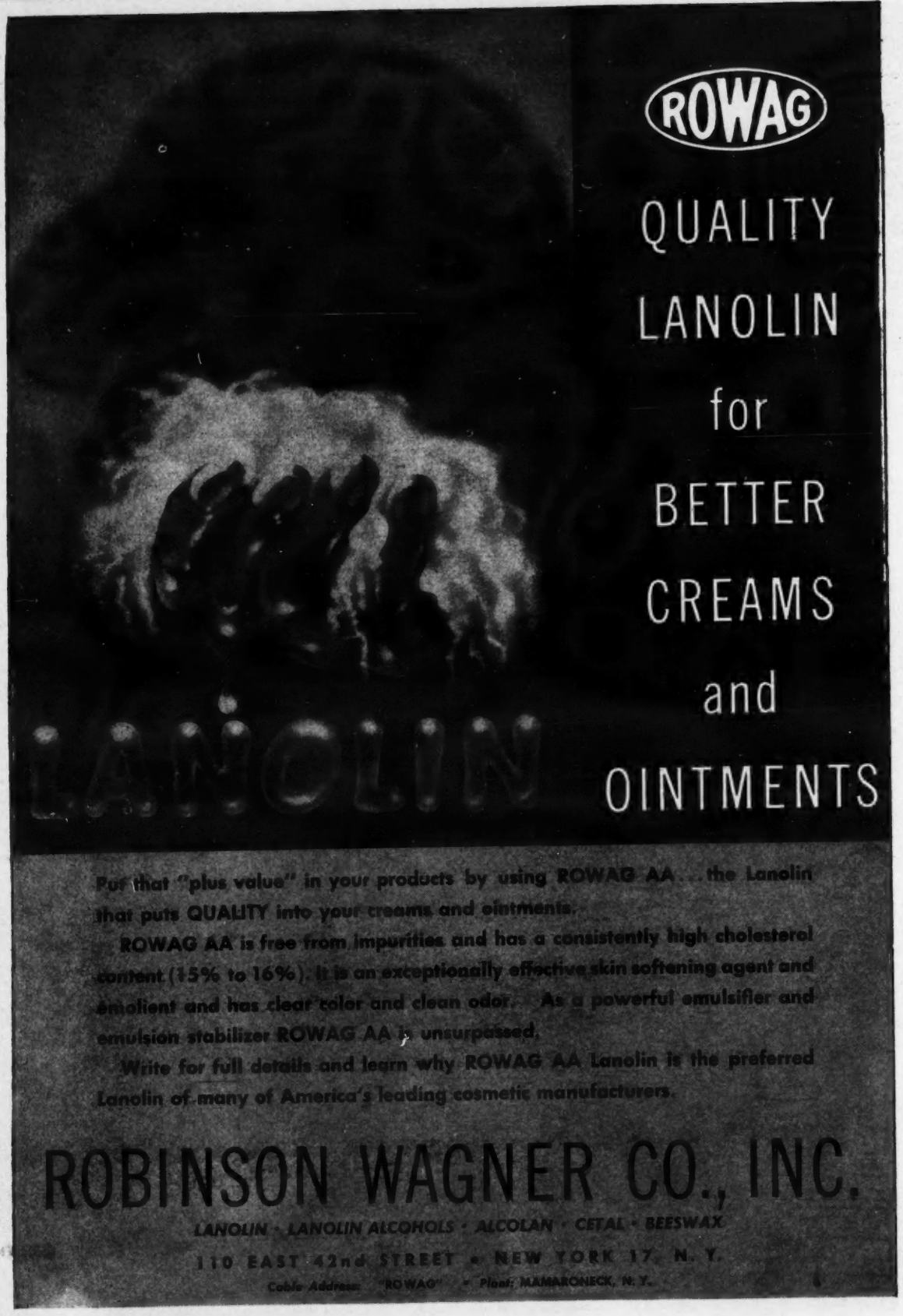
Tallow Oil—A ceiling of 9½c. per pound, when sold to soapmakers was established by OPA, effective September 23. This action not only sets a ceiling for soapmakers, but it specifies that acidless tallow oil may contain no more than 2 percent fatty acid content. Until recently OPA stated this product was principally used as a lubricating oil for steam cylinders. In 1945 it came into use as a soap ingredient when the supply of tallows and greases became short.

Fish Oils

Cod—Recent arrivals from Newfoundland were delivered against former orders, and the spot market continued bare of supplies. Offerings for shipment were scarce. Inquiry was active.

Menhaden — While refiners were bidding at ceilings for crude oil, producers continued to refuse to accept business.

Baltimore, Sept. 17.—Latest development in the menhaden fishing was the withdrawal of boats operating for months in Florida waters, because of poor catches. Production of menhaden oil in Florida during the season just ended was only about 50 percent of the output reported last year. In the Chesapeake Bay, and North to the Long Island Sound, hauls were reported as fair. Bids of 8.9c. per pound were refused, which the fishing interests regard as below the profit margin. How long the refusal to accept



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orders will continue is, of course, anyone's guess.

Sardine—Bids at ceilings for crude oil were not accepted and the market was dull, but firm. Decision by OPA under which producers of sardine oil may sell their products at current ceilings and bill purchasers for additional amounts when higher ceilings are granted was expected shortly.

Los Angeles, Sept. 18.—Steady demand continues to be reported for fish oil. However, supplies still limit trading.

Fatty Acids

Red Oil—Scarcity of supplies continued to affect business. Consuming inquiry was active. Producers were not offering, as the output was taken against former contracts. Prices were unchanged at ceilings.

Stearic Acid—Demand continued to exceed the supply. Scarcity of grease and tallow continued to limit production. Producers were sold up and restricted sales to regular customers. Market was strong at ceilings.

Cake and Meal

Cottonseed Meal—Business was slow. Crushers report ginners and growers insist on getting back all the meal in the seed. Supply situation appears more hopeless than at any time during the war years, and the production of meal and oil in the Southeast is not expected to exceed last year, if that much.

Linseed Meal—Active demand absorbed all offerings at ceilings.

Minneapolis, Sept. 18.—Demand for meal was brisk in all positions and crushers had no difficulty disposing of their output at ceiling prices on a spot basis.

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week.....	6,660,000	13,220,000
Since Sept. 1.....	20,780,000	28,160,000

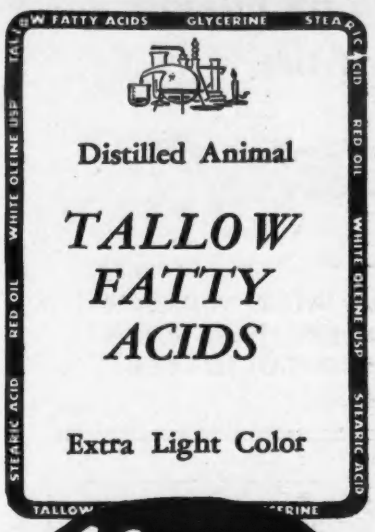
Peanut Meal—Mills expected to begin crushing new crop peanuts around October 15. No new crop trades have been made, mainly because it is not definitely known what price they will have to pay for peanuts.

Waxes

Beeswax — Trading was reported light and mainly for actual requirements. Prices were steady and unchanged. Supplies of refined were scarce and in good inquiry.

Carnauba — While trading on the spot and for shipment was reported slow, there was no change pricewise. Advices from Brazil continue to indicate a firm market there. Consuming inquiry for shipments was reported moderate.

Ouricury — Business was reported slow last week. Offering of both crude and refined on the spot were liberal and attracted little attention. Prices were easier, and lower. Crude was quoted at 95c. to 97c. per pound and refined, $1.08 to $1.10 per pound.



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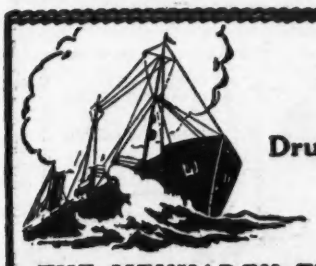

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1—J H Day Thorobred Moulder "D".
10—Paste and lead Mixers up to 60 gal.
5—Paint Mixing Tanks—500 gal. and 700 gal.
7—Ceramic Crocks—275 gal.—3' x 6'.
3—Sterling Dicers, Model EM10.
2—Sameo Jr. Automatic 6 and 8 spout vacuum fillers.
3—Stokes Gas Fired Water Stills.
1—R. C. Jones Constant Motion Cartoning Machine.
5—Package Machinery Wrappers.
1—Stokes and Smith Envelopes Sealer.
3—Food Machinery Corp. Stainless Hand Pack Fillers.
1—Scott Scale Weight Type Powder Filler.
2—Edtbauer Scale Powder Fillers.
3—Stokes & Smith Semi and Aut. Powder Fillers.
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2—Automatic Straight Line Labelers Pneumatic Simplex and weeks—MacDonald Duplex.
2—Copper Storage Tanks—1000 gal. horizontal.

Exceptionally large stock on hand—Jacketed Kettles stainless—Copper—all sizes.

10—Fitzpatrick Comminuting Pulverizers Model D—stainless.
7—Colloid Mills—Chemi - Colloid, Eppenbach, Premier and U. S.
50—Stokes and Colton Preformers or Tablet Presses, Rotary and Single Punch Models.
6—Raymond Mills, No. 45-00-0000.
1—Shriver Wood P. & E. Filter Presses 18".
2—Shriver Cast Iron Recessed Filter Presses 24".
2—Oliver Filters, 5' x 6', steel construction.
1—Industrial Rotary all-iron Filter, drum 6' x 3'.
1—Elmco Vacuum Filter, 4' x 2', with 25 sq. ft. filtering area, complete with receiver, pumps, piping and electrical equipment.
3—Lancaster Mixers Muller type—EBG4.
2—Jacketed Mixers, Heavy duty sigma double arms, about 9 gallon capacity.
1—Swenson Single Effect Aluminum Evaporator, 38" x 66", with vacuum pump and receiver.
1—Griscomb Russel Stainless Heat Exchanger, 5' x 15', 7 pass, each pass having 16 tubes 1¼".
1—Fletcher Centrifugal Extractor, 40" x 24". suspended type, rubber covered basket, lead lined steel casing and stainless perforated screen, heavy duty unloader, steel plow.
3—Forge Welded Autoclaves 300 PSI 6' x 21'.
1—Devine Autoclave or Impregnator 31" x 30" jacketed.
4—Horizontal Autoclaves or Retorts, 5' x 11', with two racks each, 30" x 64", good for 30 lbs. pressure.
1—Badger Copper Concentrator, evaporating capacity 2,500 lbs. per hour, calandria type with complete accessories.
2—Rotary Digesters; 6' x 13' jacketed and 6' x 18' unjacketed.
2—Swenson - Walker Continuous Crystallizers with three decks 24" x 30".
2—Batch Crystallizers, 8' 10" diameter, 9' high, with conical bottom 3' 9", making total overall height of 9' 9", having copper cooling coils.
2—Rotary Jacketed Dryers of the screw conveyor type having three 23' passes.
1—Buffalo 5' x 12' Rotary Drum Dryer.
2—Tray Type Proctor & Schwartz Dryers, 7' wide, 6' 10" high, 34" deep. Provision for 80 trays 11" by 18", each. Dryer complete with motors, fans, blowers, controls, etc.

VACUUM SHELF DRYERS

1—Buffalo 5 Shelf, 42 x 42.
1—Buffalo 13 Shelf, 42 x 42.
1—Devine 13 Shelf, 53 x 60.
2—Buffalo 20 Shelf, 60 x 160 (double doors).

FMC Syphon and Vacuum Filler.
FMC Hammermills and Grinder.
FMC Stainless Steel Tanks and Kettles.
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VACUUM STILLS, KETTLES, TANKS

2—Closed Jack. agitated Kettles with coils; 1—1,200 gal., 1—800 gal.
1—1,200 gal. closed jack. Kettle or Vacuum Still.
2—Closed jack. agitated Kettles or Vacuum Stills.
1—250 gal. Copper jack. agit. closed Kettles or Vac. Stills.
1—350 gal. closed jack. agit. Kettle.
28—250 GAL. NEW CLOSED HORIZONTAL STORAGE TANKS, OVAL SHAPED, APPROX. 46" AND 28" BY 61" LONG, 18" ROUND MANHOLE IN TOP, ¼" PLATE.

38—150 gallon STAINLESS STEEL TANKS.

CRYSTALLIZERS
VACUUM PAN DRYERS

3—Buflovak 6' dia. Jacketed Vacuum Pan Dryers or Crystallizers—also two of atmospheric type, same size, also jacketed and agitated—800 gallons capacity—cast iron—jackets cast integral with shells.
5—Swenson-Walker Continuous Steel Jacketed Crystallizers, Mixers or Dryers, each made up of four 24"x26"x10' long sections with heavy spiral ribbon agitators. Each unit with worm gear speed reducer.

2—20"x48" water cooled 3-ROLLER MILL.

3—Stokes "R" Single Punch TABLET MACHINES, m.d.
2—Stokes RD4 16-punch ROTARY TABLET MACHINES, m.d.

GEAR REDUCERS and MIXERS

41—Phila. type HVT, Class 1, size 1100, GEAR REDUCERS, ratio 88 to 1, horsepower 16.7 at 1750 RPM.
29—Phila. MOTO-REDUCERS, with 2 HP 2 speed, totally enclosed, fan cooled and explosion-proof motors. Vertical; Output speed 57 and 29 RPM at HP 2/.67.
11—Eastern Engrg. Vertical MIXERS, 3 HP, enclosed fan-cooled motors, output speed 225 RPM.

JUNT PURCHASED
Chemical Perfume Plant

6—Copper Steam Jacketed Agitated Kettles, 200 and 100 gal.
4—All Copper Vacuum Pans, 275 gal., 250 gal., 60 gal., 50 gal., with Condensers.
3—Copper Jacketed Evaporating Pans, 60 gal. and 25 gal.

DRYERS

1—Devine VACUUM SHELF DRYER, 14 shelves, 40x43; also 10-SHELF DRYER, Complete.
2—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYERS complete.
2—Direct heat ROTARY DRYERS; 5'x30', 6'x25'.
1—ROTARY KILN, 6'x60'.
6—ROTARY VACUUM DRYERS; 1—Devine, 5'x30'; 3—Devine, 4'x25'; 1—Devine, 4'x30'; 1—Struthers Wells, 30"x15'.
1—6'x35' Louisville Direct Heat single shell Rotary Dryer.
2—8'x50' Direct Heat Rotary Dryers.
1—4'x20' Ruggles-Coles Indirect Heat Rotary Dryer.
2—6'x28' Rotary Steam Tube Dryers.

1—Colton No. 14 FULLY AUTOMATIC TUBE FILLER, Closer and Clipping Machine.
1—Colton No. 3 TUBE CLOSER and CLIP FASTENER.
1—Pneumatic Scale six head fully automatic Capping Machine.
4—Anderson No. 1 OIL EXPELLERS, complete, m.d.
2—Stokes Hand Tube Fillers.
4—Hand Closers and Crimpers.

1—16"x40" Lehman 3-ROLLER MILL, water cooled, motor driven, upright type.

2—Weeks McDonald straight line fully automatic LABELERS, motor driven.
10—Copper & Aluminum KETTLES to 500 gal. cap.
6—World and Ermold semi-automatic Labeling Machines, MD
2—Rotary Cutters, Robinson and Howes, 24" 30" blades.
1—Dopp 500 gallon jacketed KETTLE.
1—J. H. Day auger FILLER.
4—250 gal. closed GLASS LINED TANKS.
Approximately 700 feet of STEEL BALL BEARING ROLLER CONVEYOR, from 17 to 32" widths.

MISCELLANEOUS

4—Raymond PULVERIZERS — 4-Roll High Side; Nos. 00, 0000, 45, 55 and 70.
7—Hardinge CONICAL MILLS: 8'x30", 6'x36", 3'x8", silex lined; 8'x36", 6'x22", 5'x22" and 3'x5", iron lined.
6—ATTRITION MILLS, Bauer and Robinson, 22", 24", 30", 36"—motor driven.
12—Vibrating SCREENS: four 3'x6' Sturtevant 2-deck all-enclosed; six 3'x5', 4'x5' 1-deck Tyler Hummers; Abbe No. 2 Blutergoss.
1—Size 42" Vertical ROCK EMERY MILL, Shop No. 1108, Sturtevant Mill Co., Boston, with enclosed silent chain drive and 40 HP 3-60-440 motor.

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1—Stokes Rotary Tablet Machine, DD82, 1-3/16" dia.
7—Stokes Rotary Tablet Machine, D3 and D4, 31/32" dia.
10—Colton, Stokes Single Punch Tablet Machines, up to ¾".
5—Stokes "R" single punch Tablet Machines, 2½" dia.

1—Abbe 10 Jar Mill, motor driven.
1—American 16"x40" Three Roll Mill, 20 HP motor.
1—Schutz O'Neill 16" Ball Bearing Style "D" Limited Mill.
1—Hardinge Ball Mill, 2'x8".
6—Pebble Mills, 100 to 1,000 gal.
1—Williams No. 1 Hammer Mill.
1—Day 18" Ointment Mill.
2—Mikro Pulverizers, 1SH, 5 H.P.

1—Lab. Devine Vacuum Shelf Dryer, with condenser.
3—Rotary Vacuum Dryers, 1½'x 3½', 3'x8', 4'x10'.
2—6' Buflovak Vacuum Crystallizers, complete.
1—6'x27'6" Rotary Steam Tube Dryer.
3—Buflovak Vacuum Drum Dryers, 24"x20", 48"x40", 5'x6'.
5—Rotary Dryers, 6'x18', 4½'x35', 6'x35', 5½'x40', 7'x45', 7½'x65', 10'x90'.
1—7½'x130' Rotary Kiln.

1—12"x12" C. I. Filter Press, washing type, closed delivery.
2—Lab., No. 49 Vallez Filters.
2—American 4' 4 Disc and 6' 2 Disc Rotary Continuous Filters.
6—Oliver 8'x6' Rotary Hopper Dewaterers, New.
6—Shriver, Sperry Filter Presses, 12", 18", 24", 30", 32", 36".
5—Shriver Wood Filter Press Skeletons, 18" to 42".

4—Sharples No. 6 Centrifuges, open and Presurtite.
3—De Laval No. 300, 600, 700 Clarifiers.
1—Tolhurst 40" Suspended type Bottom Discharge Centrifugal, solid basket, 15 HP motor driven.
5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.
1—Tolhurst 40" Suspended Type Centrifugal, steel basket.

1—Pfaudler Nickel Jacketed Kettle, 287 gal.
3—Stainless Steel Jacketed Kettles, 100, 150, 300 gal. New.
10—Brand New Stainless Steel Tanks, 100, 200, 300, 500 gal.
6—Pfaudler Jktd. Agte. Kettles, 100, 125, 200 gal.
2—60 and 125 gal. Alum. Jktd. Kettles.
10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.
8—Steel Jktd. Kettles, 600 to 1,200 gal., some agitated.
1—60 gal. Cast Semi-Steel Autoclave, agitated, 3" wall.
1—Zaremba Copper Evaporator, 500 sq. ft. vert. tubes.
3—Copper and Steel Vacuum Pans, 2', 4', 6', 7'.
5—Evaporators, single & quadruple effect, 500 to 10,000 sq. ft.

8—Tyler Ro-Tap Sieve Shakers.
3—Abbe Blutergess Sifters.
3—Tyler Screens, 2'x5', 4'x5'.
9—Gyro Sifters, 20" x 48".

6—¼ to ½ HP Portable Electric Mixers, explosion proof motors.
1—W. & P. 20 gal. Mixer.
12—Powder Mixers, 1,200 to 2,000 lb.
2—Readco 100 gal. Jacketed Heavy Duty Double Arm Mixers.
5—Day, W. & P. Double Arm Mixers, 10 to 75 gal.
3—Baker Perkins 100 gal. jacketed double arm mixers, hydraulic tilt.

3—New auger type powder fillers.
2—Knapp Automatic Can Labelers.
1—Filler Machine 4 Spout Filler.
1—Karl Kiefer Visco Piston Type Filler, motor driven.
5—World, National Labelers.
10—12" Belt Conveyors, 20 to 50' centers, built to specifications.
17—Bucket Elevators, from 12' to 50' high, steel housing.

1—Anderson No. 3 Moisture Expeller.
1—Schaeffer Poidometer, 20"x4'.

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11—Sharples No. 5A Stainless Oil Purifiers, latest type, 2 H.P., Motor Driven.
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1—Chrystie 80'x45' Rot. Dryer.
2—Oliver Rotary Vac. Filters. 8'x 10' and 5'x6'.
1—Raymond 3 Roller High Side Mill, complete, 65 H.P. motor.
2—Dorr 15' Bowl Classifiers.
1—Hardinge 3'x8" Conical Ball Mill.
1—Gayco 3' Centrif Air Separator.
1—Sturtevant 36" Rock Emery Mill.
1—W. & P. 9 gal Double Arm Mixer, 2 H.P. motor.
1—Abbe 24"x30" Pebble Mill.
1—Sharples No. 6 Centrifuge, 7 H.P.
4—Stainless Steel Jack. Kettles, 40 to 60 gals., 2 with agitators.
1—Hammer Mill, 7½ H.P.
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1—Jeffrey No. 4 Single Deck Conveyor Screen.
25—New stainless Steel Tanks, 100 to 1,000 gals.
2—6 spt. gravity Bottle Fillers.
New Water Stills, Gas and Elec
New 40 gal. Pony Mixers.
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12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
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5—0000 and No. 0 Raymond Mills.
1—Bonnot 27" dia. Iron Filter Press.
10—Closed Steel Vac. Kettles & Stills, up to 1,000 gals.
12—Vert. Jack. Agit. Kettles & Autoclaves to 1,500 gals.
2—300 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 350 gal. Jack. Agit Steel Kettle, Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
6—30, 35, 75 & 250 gal. closed, jacketed Copper Kettles.
1—Dopp 50 gal. Jacketed Kettle.
15—50 gal. Steel mixing Tanks.
1—Blystone 2,000 lb. horiz. Spiral & Paddles Steel Mixer.
6—Horizontal Mixers, 20 to 250 gals., Single & Double Arm.
1—Faust 150 gal. Spiral Mixer.
2—Devine Horiz. Vac. Pumps. 8"x6"x4"x6"
2—Worthington 12"x12"x12" Vac. Pumps.
1—National Acme Model C20 stainless Steel Centrifuge.
2—De Laval Multiple Clarifiers. 300 & 301.
2—Rotary Screens, 18"x72".
6—Attrition Mills & Disc Grinders up to 22".
2—Double Stand Steel 4 Roller Mills, 7"x18" to 7½"x30".
10—Iron Mills, 12", 14" & 18".
2—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 72 gals.
3—Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
1—Schutz-O'Neal 20" Pulverizer.
2—Double Roll Crushers
1—Williams No. 3 "Regular" type Hammer Mill.
10—Electric Agitators, ¼ to 2 H.P.
20—Rotary, Centrif. & Triplex Pumps.
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1—Weeks McDonald back and front labeler.
2—150 and 250 gallon copper stills.
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1—U. S. 350 cup washer and dryer.
1—Scott auto. weigher from 1 to 25 lbs. complete with elevators.
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1—J. H. Day 170 gallon jkt. mixer.
1—Ingersoll Rand pump type 3RULS with exp. proof motor.
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1—Abbe 58 gallon pebble mill—like new.

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W. & P., Day Cincinnatus and Imperial Type Mixers; Hottman Paragon, Read, Single and Double Arm from 2 gallons to 300 gallons.
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Mullers or Chasers 2 ft. to 6 ft. sizes.
Ermold and World Semi-Automatic Labeling Machines.
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Copper Steam Jacketed Kettles with and without Agitators.
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Copper Stills and Vacuum Pans.
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Package Machinery Co., Johnson, Miller, all types of Wrapping, Packaging and Cartoning Equipment. (Please submit Samples of your Item with Your Inquiry.)

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Trade Briefs

Morganite Brush Company, New York, has changed its name to Morganite, Inc.

Plastifocal Company, has been organized in New York to import and export plastics.

Panama will hold an exposition of national industries and foreign samples at Panama City November 1-4.

AVAILABLE!

1—5-Roll BUEHLER MILL. Water Cooled, Rolls 13¾x31½, M.D.
1—SPERRY Cast Iron Filter Press, 24", open delivery.
1—SPERRY 18" Wood Filter Press, 10 chambers.
1—SHRIVER Cast Iron Filter Press, 18 chambers.
1—DEVINE No. 9 Vacuum Shelf Dryer, 13 shelves, 40"x43", with Vacuum Pump and Surface Condenser.
1—BUFFALO Foundry Bronze Drum Dryer, 24"x20".
1—W & P Jacketed Mixer, 20 gal. capacity.
1—W & P Jacketed Mixer, ½ gal. capacity.
1—ROSS 1,000 lb. Dry Powder Mixer.
1—F. J. STOKES Rotary "D" Tablet Machine, M.D.
1—COLTON No. 4½ Single Punch Tablet Machine, 1½" dia.
1—COLTON No. 2 Combination Collapsible Tube Closer & Crimper, M.D.

What have you for sale?

Send for Bulletin SA-5

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GRamercy 5-6600

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5—12 in. x 36 in. Roller Mills
2—16 in. x 40 in. three steel roller mills
PONY MIXERS from 2½ gallons to 40 gallons
5—Change Can Mixers
1—210 gallon Buhr Stone lined Pebble Mill
2—Practically new 750 gallon Porcelain lined Pebble Mills
3—32 in. x 36 in. PEBBLE MILLS
10—1000 gallon steel square storage tanks
10—2000 gallon steel square storage tanks
5—9 in. x 24 in. motor driven roller mills

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1—Continuous Still, 1,414 gals.

3—Aluminum Direct Fired Stills, 2,300 gals.
3—Aluminum Welded Tanks, ¼" No. 28H Aluminum, 6' OD x 12' long; 3'6" OD x 8' long; 5' OD x 8' long.
1—High Chrome Iron Tank, 6' x 30' long.
1—Hardinge Conical Ball Mill, 4½' dia., 16" cylinder.
1—Jeffrey Pulverizer, Type A-2, 24" x 18".
1—American 6' 3-disc Filter, Wooden Leaves.
1—Shriver Iron Filter Press, 36" x 36", open delivery, side feed, washing type, plates and frames.
4—Sweetland Filter Presses, No. 7, No. 10, No. 12.

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UNionville 2-4900

FOR SALE

Stainless Steel Tanks—new—100 and 200 gal., dished bottoms with stands.
9—New Stainless Steel Jacketed Kettles, 30 and 40 gals. capacity; 2—100 gal.
Steam Jacketed Kettle, 9' dia. x 5' deep, with agitator (new).
Stainless Steel Vert. Tank, 7' dia. x 10', No. 430 Chrome.
New Elec. Immersion Heaters, stainless, 500 watt, 115 volt—$15.00 each.
Copper tank with agitator and coil, 66" dia. x 7' high.
1—International Centrifuge, size 3, Type FS, stainless steel with motor.
Shriver Filter, 24" open del., all iron.
1—18 spout Karl Kiefer Rotary Filler.
10 New Sharples Oil Purifiers.
6—DeLaval Imo Pumps, 2" suc., 2" disch. (new).
Stainless Steel, Milton-Roy, Pumps (new) with G. E. explosion-proof motors.

SPECIAL
10—Steel Storage Tanks, 24' dia. x 20' high, with closed tops and ladders.

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Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE

Help Wanted and Positions Sought—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six words or fraction.

AGENCIES WANTED

Established manufacturer with good contacts among textile and tanning industries seeks additional products of merit to sell. What can you offer? OPD 120.

Good territory open for agents on liberal commission basis by an old established firm of importers of industrial minerals and earth colors. For full particulars write to Charles B. Chrystal Company, Inc., 53 Park place, New York 7.

EQUIPMENT OFFERED

For Sale: slightly used four eyed closed delivery washing type 24 in. square aluminum filter press, with 18 plates and a set of stainless steel perforated screens all in perfect condition. OPD 967.

Straight line, semi-automatic, vacuum filling machines, adjustable from an ounce to a gallon, now available for immediate delivery direct from the manufacturer. Call or write Packer Machinery Company, 30 Irving Place, New York 3, N. Y. Tel. Gramercy 5-8223.

For sale: No. 2 Sturtevant batch blender —25 cu. ft., 1000 lbs. capacity—7½ h.p. explosion proof motor; Ross gas fired tray dryer, 2 compartments, fan & motor, blower & motor, instruments, controls—size 5 ft. 9 in. wide by 14 ft. long by 7 ft. 6 in. high; two steel tanks 2500 gals., ½ in. shell, 5/8 in. heads, 120-lb. pressure. OPD 117.

EQUIPMENT WANTED

Complete equipment wanted for filling, packing and handling both dry and paste products. Box 281, Real Service, 110 West 34th street, N. Y.

FACILITIES OFFERED

Wide variety of liquid mixtures recovered at nominal cost for drum and tank car lots. We handle simple and difficultly-separable mixtures. We are also interested in purchase of all types of crude mixtures. Inquiries solicited. All replies treated in strictest confidence. OPD 966.

FOR SALE

Approximately 1,000,000 plastic shaker type spouts (Thermo Plastic). Size: 24 mm. Color: Black. Special feature: Beneath easily removable friction-fit reseal cap there is a break-off tip. Closure is specially designed to assure nonleaking of contents. Suitable for shampoos, hair tonic, bitters, etc. Samples will be mailed postpaid on request. OPD 983

Four carloads 32 lb. sulphite paper towels, 10¾ by 10, interfolded. Sample and price on request. OPD 116.

MATERIALS OFFERED

Canadian Fir Oil. Present offering up to 1,200 lbs. per month in 400 lbs. drums. Reasonable offer would be accepted for this whole exportable surplus production on one-year contract. Canada Distribution Co., P. O Box 1093, Place D'Armes, Montreal, Canada.

Crystal Urea—will exchange 6000 lbs. for like quantity of tetrasodium pyrophosphate anhydrous. OPD 115.

l-Proline $15.00, 10 grams; oxyproline, $22.00 10 grams. Many other rare chemicals available now. Write us your needs. Bios Laboratories. 607 West 43rd street, New York 18, N. Y. Tel. LO 3-0305.

MATERIALS OFFERED

Five tons of chrome alum, 200 pounds of cascara sagrada powder for sale. OPD 118.

MATERIALS WANTED

Off-grade or prime organic solvents such as acetates, alcohols, ketones, aromatic and aliphatic hydrocarbons. Also obsolete, contaminated or reclaimed lacquer thinners, solvent cleaners, reducers or allied solvent blends; in lots of 500 gallons or more. Describe fully stating shipping point and best price; or we will make offer. OPD 966.

Wanted—Any amount hide glue in granulated form from 180 gramme test and up. OPD 982.

Swedish chemical importers wish to buy following chemicals: butyl alcohol, bone glue, red lead, allyl acrylate, glycerine, dibutylphthalate, dioctylphthalate, phthalic anhydride, castor oil, saccharin, stearic acid, superphosphate 40-45%, potato glucose, corn glucose, phenol, meta-ortho-cresol, fusel oil, butyl acetate, diethyl diphenyl urea, dimethyl diphenyl urea, methyl phenyl urethane, zinc oxide. Contact L. Rona, Suite 2727, Waldorf Astoria Hotel, New York.

Do not wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities, all kinds. Particularly interested in gums, waxes, spices, botanicals, oils, greases, pharmaceuticals, chemicals. OPD 994.

PLANT OFFERED

Available in Sao Paulo, Brazil, pharmaceutical plant. Excellent opportunity for pharmaceutical manufacturer; vitamin, drug or cosmetic products. Ample labor supply, adequate transportation. Licensed by health authorities. Owner at present in New York. OPD 122.

PLANT WANTED

Partnership in or lease or purchase of a chemical plant desired by chemist of long industrial experience. OPD 953.

POSITIONS VACANT

Salesman—Established manufacturer of heavy chemicals wants progressive salesman for New York staff. Prefer man with chemical background, pleasing personality, and resident of New York area. Starting salary dependent on qualifications. Company has group insurance and wage dividend system. Good opportunity for progressive salesman. Please write details to OPD 104.

Lacquer and synthetic chemist for well established company. Able to formulate and develop new products. Real future for experienced capable man. Write or phone Standard Coating Company, 455 Broad Avenue, Ridgefield, N. J. Chickering 4-4330.

Wanted—Salesman to cover United States for old established hormone producers with national distribution. Salary, commission and travelling expenses. Excellent opportunity for advancement. In reply outline experience and salary desired. OPD 109.

Chemical sales engineer, under 40, chemical engineering degree, with experience in sales of organic chemicals preferred, large well-known concern. OPD 123.

POSITIONS VACANT

Lacquer and synthetic resin coatings chemist. Must have several years experience in development of industrial coatings, including color matching. Responsible position with expanding Mass. manufacturer. Starting salary for qualified man, $3,000-$5,000—depending upon experience. OPD 102.

Nationally known paint company wants graduate chemical engineer with at least 10 years' practical experience in paint industry. He must have personality and ability to conduct meetings and inspire confidence in his knowledge of paint chemistry. Good compensation and excellent future for the right man. Address replies to OPD 121.

Long established business requires services of a man with technical knowledge, sales and order experience in commercial waxes. State age, experience and salary expected. OPD 106.

POSITIONS WANTED

For technical salesmen, chemists, engineers, pharmacists, and pharmacologists place your job orders with Chemical Department, Position Securing Bureau, Inc. (Agency), 45 John Street, New York City. Telephone COrtlandt 7-9650. Careful, confidential service to employers and applicants.

Salesman, chemist, 25 years selling, managing sales and directing technical sales service. Available. Prefer raw materials sales development with medium sized concern. Will consider investment with aggressive small organization. OPD 112.

Adhesive chemist, B.S., female. Experienced with emulsions, lacquers, hot melts, aqueous products. Research, development, control, manufacturing, service library, report work. Familiar with resins, plastics, waxes, oils, solvents, detergents, emulsifiers. $55.00 start. New York City. OPD 113.

Export specialist — pharmaceutical and allied products, seven years administrative, sales experience in Latin America. B.S. degree in pharmacy and foreign trade. Desires connection with progressive manufacturer. OPD 114.

Chemist, Dr., experienced in production and development, desires active partnership in going manufacturing business, capital investment up to $3,000 possible. OPD 124.

Chemist, organic research—experienced in research, development and production of synthetic aromatics, pharmaceuticals and hormones. Graduate study, Phi Beta Kappa. Desire responsible position in organic synthesis. Married, child. OPD 119.

Chemist, adhesives—experienced in development and production of resinous and rubber emulsions, dextrine, animal and casein glues, solvent types, desires position in metropolitan area. OPD 125.

SERVICES OFFERED

New and modern equipment for quantity tube filling, also powder and liquids; the production of all types of tablets, expert coating. Two research laboratories, to handle all phases of chemical and biological assays, testing of materials, etc. Contract work a specialty Lanteen Medical Laboratories, Inc., 900 N. Franklin street, Chicago 10, Ill.

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(For further details see listings in OPD Green Book.)

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Arlinco Research Laboratory, Inc.
333 West 52nd St., New York 19, N.Y.

Assn. of Consulting Chemists & Chemical Engineers, Inc.
50 East 41st St., New York 17, N. Y.

Johan Bjorksten, Ph.D.
185 N. Wabash Ave., Chicago 1, Ill.

Bureau of Chemistry
2 Broadway, New York 4, N. Y.

Di Cyan & Brown
12 East 41st St., New York 17, N. Y.

The Edwal Laboratories, Inc.
732 Federal St., Chicago 5, Ill.

Dr. J. Ehrlich
153 S. Doheny Dr., Beverly Hills, Calif.

Ellis-Foster Company
4 Cherry St., Montclair, N. J.

Ralph L. Evans Associates
250 East 43rd St., New York 17, N. Y.

Food Research Laboratories, Inc.
48-14 33rd St., Long Island City 1, N.Y.

E. M. Laing Company
433 Stuyvesant Ave., Irvington 11, N.J.

LaWall & Harrisson
1921 Walnut St., Philadelphia 3, Pa.

Leberco Laboratories
36 Roosevelt Ave., Bloomfield, N. J.

Molnar Laboratories
211 East 19th St., New York 3, N. Y.

James C. Munch
306 South 69th St., Upper Darby, Pa.

Orthmann Laboratories, Inc.
647 W. Virginia St., Milwaukee, Wis.

Public Service Testing Laboratories, Inc.
381 Fourth Ave., New York 16, N. Y.

W. S. Purdy Company, Inc.
18 Bridge St., Brooklyn 1, N. Y.

Schwarz Laboratories, Inc.
202 East 44th St., New York 17, N. Y.

Foster D. Snell, Inc.
303 Washington St., Brooklyn 1, N. Y

Stillwell & Gladding, Inc.
130 Cedar St., New York 6, N. Y.

Herbert Waterman
2100 Roselin Pl., Los Angeles 26, Calif.

Wiley & Company, Inc.
Calvert & Read Sts., Baltimore 2, Md.

Penicillin Testing

—Continued from page 3

lin to 50,000 units on the grounds that it would create an economic hardship, and also that the 50,000 unit tablet would require so much of the buffer substance that it would be too large to be conveniently taken.

The FDA has advised the producers, however, that it did not feel that these arguments had merit. Regarding the economic problems advanced, it pointed out, all batches of tablets certified before the effective date of the amendment could be distributed under the firm's present labels. As for the amount of buffer substance necessary, it stated, there seems to be no indication that a 50,000 unit tablet requires more buffer substance than a 25,000 unit tablet.

Several other changes in the regulations for penicillin are contemplated by the agency as a result of the experience that has been gained from the use of the drug since it was first produced commercially several years ago. It was also learned that steps are being taken to codify all the regulations on penicillin which will make it easier for producer to find out just what the rules are governing their operations. Since the original regulation was issued there have been a score or more amendments to it and it is doubtful whether any producer today understands clearly all that the regulation requires. The codification will correc tthat situation.

In our opinion, the agency added, the advantages of this proposal far outweigh the disadvantages that may arise, and for this reason an amendment to the penicillin regulations specifying "unscored" tablets having a minimum potency of 50,000 units will be promulgated by publication in the Federal Register in the near future, to become effective sixty days from date of issue.

Labor Relations

—Continued from page 3

approval was for one year without prejudice. One cannot help but wonder in this case whether board approval was necessary at all, since no wage decrease was involved.

In the two cases where board approval was denied, one involved an aviation device manufacturer, who since 1940 had a yearend bonus plan in effect. He claimed that the bonus was not an integral part of his wage rate structure, but only a voluntary gift to his employees based on high war profits. He also argued that he expected an operational loss of $75,000 due to cancellation of war contracts. This, coupled with the big reconversion problem which he claimed was facing him and which would result in an interim loss of production, together with a low cash position, compelled him to discontinue paying his employees the bonus.

Notwithstanding the contention of this employer, the board nevertheless denied approval of his discontinuance of the bonus. Although the national board gave no opinion, the regional board in its decision found that the bonus plan was not discretionary in nature.

What is most interesting to note in this case is that SSU, which has jurisdiction over the salary phase of the stabilization control laws, had previously approved the employer's elimination of the bonus plan insofar as it applied to his salaried employees. Here we thus have an apparent disagreement between the two governmental agencies responsible for the enforcement of the stabilization laws as to their meaning and their application to employees bonus plans.

Though little concrete guidance can be derived from these cases, a few specific rules do suggest themselves.

1—An employer cannot drop his employee bonus plan, regardless of whether it was a war measure or not, if it involves a loss in earnings to his employees, unless the discontinuance be first approved by WSB or SSU, as the case may be. In this connection, it matters not whether the bonus plan applies to production workers, with or without a union, or to salaried supervisory or administrative employees, for, regardless of which class of employees it effects, prior governmental approval is mandatory.

2—Discontinuance of bonus plans that are nondiscretionary and have become a part of the wage structure, particularly if objected to by the union, would have slight likelihood of board approval.

3—The two broad and general stabilization tests of approvability of wage decreases apply to elimination of employee-bonus plans. These are:—

(a) Elimination of gross inequities;

(b) Necessary in the transition to a peacetime economy.

This column cannot but help wonder as to the present timeliness of the elimination of employee bonus plans. Be that as it may, employers who, nevertheless, do contemplate dropping their bonus plans better make certain that they receive prior governmental approval. And in going to the board, they cannot be too optimistic as to the result. Further decisions by the board will have to be awaited.

Bids Wanted

—Continued from page 4

Veterans Administration (New Castle, Del.), invitation 47-20, September 24.

Paint, 480 gallons, Treasury Department (Fort Worth, Texas), invitation FW-216, September 25.

Paint stripping compound, 9,875 gallons, Army Ordnance department (Metuchen, N. J.), invitation 36, September 24.

Paprika, 1,600 cans, Army Quartermaster (Fort Worth, Tex.) invitation 16, September 20.

Plastic dye, 185 gallons; Army Quartermaster, Purchasing Officer, New York, invitation 21, September 25.

Protective finish, 9,000 pounds, Army Ordnance Department (Metuchen, N. J.), invitation 13, October 4.

Putty, 675 pounds, Department of Justice (Danbury, Conn.), invitation 27-1841, October 2.

Sal soda, as required October 1 through March 31, U. S. Engineer Office (Galveston, Tex.), invitation 95, September 24.

Salad oil, 900 pounds, Department of Justice (Danbury, Conn.), invitation 27-1837, September 24; 180 gallons, Veterans Administration (Summount, N. Y.), invitation 47-71, September 27.

Soap, various types, 205,375 pounds, Treasury Department, invitation 3-W-44282-3-R, September 26; 2,400 pounds, Treasury Department (Chicago), invitation CH-963, September 26; 228 gallons Treasury Department, invitation BW-9463, September 27; as required October 1 through March 31 (U. S. Engineer Office (Galveston, Tex.), invitation 95, September 24.

Soda, caustic, 1,272 cans, Treasury Department (New York), invitation W-9492, September 30.

Soda fluoride, as required October 1 through March 31, U. S. Engineer Office (Galveston, Tex.), invitation 95, September 24.

Toothpaste, 114 dozen, also shaving cream, talcum powder, dental powder, and soap, Department of Justice (Springfield, Mo.), invitation CMS 17-180, September 24.

Trisodium phosphate, 32,000 pounds and sums small contaihers Treasury Department (Chicago), invitation W-9471, September 30.

Turpentine, 165 gallons, Department of Justice (Danbury, Conn.), invitation 27-1844, October 3; 300 gallons, Treasury Department (New York), invitation BW-9385, September 26; 17,015 gallons, State of New York, Albany, October 2.

Varnish, various kinds, 10,000 pounds, Bureau of Engraving and Printing, invitations BEP-175 and BEP-179, October 1.

Advertising Index

Acme Refining Corp. 67
Allison, Wm. M., & Co. 63
Amcon Trading Corp. 73
Amecco Chemicals, Inc. 72
American Bitumuls Company. 71
American Agricultural Chemical Co. 1
American British Chem. Supplies, Inc. 39
American Firstoline Corp. 79
American Potash & Chemical Corp. 58
Ansul Chemical Co. 40
Armour Chemical Div. 76
Arnold-Hoffmann & Co., Inc. 68

Baker, J. T., Chemical Co. 1, 50
Barcan, Irving Co. 77
Barclay Chemical Co. 56
Barrett Division. 46, 49
Benet S/A. 56
Bethlehem Steel Co. 47
Biddle Sawyer Corp. 63
Birch-Kline Co., Inc. 55
Brill Equipment Co. 77
Brode Corp., The. 73
Burke, Edward S. 52

Calif. Fruit Growers Exchange, Products Dept. 24
Carbide & Carbon Chemicals Corp. 2, 56
Centflor Manufacturing Co. 65
Ceramic Color & Chemical Mfg. Co. 43
Chemical & Process Machinery Co. 77
Chemical Products Corp. 40
Chemical Sales Corp. 80
Chemical Solvents, C. P., Inc. 80
Church & Dwight Co., Inc. 39
Cleveland Steel Barrel Co. 40
Coleman & Bell Co. 56
Columbia Can Company. 70
Commercial Solvents Corp. 6
Concord Chemical Co. 74
Consolidated Chemical Industries, Inc. 31
Consolidated Products Co., Inc. 76
Consumers Import Co., Inc. 66
Continental Commodities Corp. 63
Coupe, Robert A. 44
Crosby Chemicals, Inc. 68
Croton Chemical Corp. 40
Cyclo Chemical Corp. 56

Darling & Co. 75
De, S.N., M.Sc. (Botany), Ltd. 63
Deep Rock Oil Corp. 67
Delton Products Corp. 40
Diamond Alkali Co. 41
Dickerson Company. 49
Diehl, Wm., & Co. 73
Distillation Products, Inc. 53, 57
Dow Chemical Co. 17
Duff Chemical Co., Inc. 40
Du Pont de Nemours, E. I., & Co., Inc., 32, 38

Edcan Laboratories. 56
Edwal Laboratories. 52
El Dorado Oil Works. 75
Emsco Equipment Co. 77
English Mica Co. 70
Essential Aromatics Corp. 65
Eston Chemicals, Inc. 39
Evans Chemetics, Inc. 57

Faesy & Besthoff, Inc. 80
Fairmount Chemical Co., Inc. 40
Felton Chemical Co., Inc. 22, 65
Ferro Chemical Corp. 72
Fezandie & Sperrle. 45
Fine Organics, Inc. 80
First Machinery Corp. 76
Florasynth Laboratories, Inc. 64
Fritzsche Bros., Inc. 25, 64
Fulton Bag & Cotton Mills. 79

Gartenberg, H., & Co., Inc. 45
Gelb, R., & Sons, Inc. 77
General American Transportation Corp. 27
General Biochemicals, Inc. 56
General Drug Co. 23
Givaudan-Delawanna, Inc. 65
Golwynne Chemicals Corp. 13
Gray, William S., & Co. 1
Greeff, R. W., & Co. 51
Gross, A., & Co. 75
Gruman, J. B., Co. 43

Hamilton Laboratories, Inc. 56
Hardesty, W. C., Co. 73
Heat and Power Co., Inc. 77
Heyden Chemical Corp. 71
Hopkins, J. L., & Co. 61
Horn, Jefferys, & Co. 71
Hovey Petroleum Co. 66
Hunt Chemicals Works, Inc. 43
Hutchinson, D. W., & Co., Inc. 64

Imperial Paper & Color Corp. 69
Industrial Raw Materials Co. 67, 75
Inland Alkaloid Company. 55
Innis, Speiden & Co. 28
Interboro Chemical Co. 43
International Minerals & Chemical Corp. 18
International Selling Corp. 43
International Wax Refining Corp. 35

Kansas City Limeolith Co. 70
Kelco Company. 61
Kentucky Color & Chemical Co., Inc. 71
Keto Chemical Co. 52
Koch, W. Walter, Co. 44
Kolker Chemical Works. 44
Koppers Company, Inc. 47
Koster Keunen Mfg. Co., Inc. 75

Lamex Chemical Corp. 54
LaPine, Arthur S., & Co. 43
Lemke, B. L., Co. 57
Lenway, Fred H., & Co. 56
Lever Brothers Company. 52
Loeb, H., & Son. 77
Lucidol Corp. 59
Lueders, George, & Co. 64

Machinery & Equipment Corp. 77
Magnus, Mabee & Reynard, Inc. 8, 64
Mallinckrodt Chemical Works. 71
Marine Magnesium Products Corp. 20
Mathieson Alkali Works, Inc. 29
Mathieu, A. H., & Co., Inc. 44
McKesson & Robbins, Inc. 51
Menhaden Fish Products Co. 75
Metalsalts Corp. 55
Michigan Chemical Corp. 44
Mineral Pigments Corp. 72
Miranol Chemical Co., Inc. 40
Monsanto Chemical Co. 15
Mutual Chemical Co. of America. 45

National Lead Co. 21
National Oil Products Co. 54
National Rosin Oil & Size Co. 72
Natural Products Refining Co. 45
Neuberg, William D., Co. 11
Neville Company. 69
Newark Steel Drum Co. 44
New Jersey Zinc Company. 34
Niacet Chemicals Corp. 43
Niagara Chlorine Products Co. 45
Norda Essential Oil & Chemical Co., Inc. 66

Organic Laboratories. 66

Pacific Coast Borax Co. 1
Pancoast, B. K., Co., Inc. 63
Parsons, M. W. 70
Peek & Velsor, Inc. 62
Penick, S. B., & Co. 53, 60
Pennsylvania Coal Products Co. 52
Pennsylvania Refining Corp. 67
Pensacola Municipal Advertising Board 38
Petrolite Corp., Ltd. 75
Pfizer, Chas., & Co., Inc. 37
Pittsburgh Coke & Chemical Co. 80
Pittsburgh Plate Glass Co., Columbia Chemical Div. 30, 39
Potash Co. of America. 49
Prentiss, R. J., & Co., Inc. 59, 62
Prior Chemical Corp. 1
Procter & Gamble. 52, 73
Purcaine, Inc. 55

Read, Chas. L., & Co., Inc. 39
Riches-Nelson, Inc. 43
Rieke Metal Products Co. 42
Robinson-Wagner Co. 74
Rosenthal, H. H., Co. 40
Rufert Chemical Co. 13

Sackler, Nathan & Son. 63
Seaboard Distributors, Inc. 44
Seydel Chemical Co. 57
Sharples Chemicals, Inc. 1
Sheffield Farms Co., Inc. 58
Shell Oil Co., Inc. 72
Skelly Oil Co. 26
Smith Chemical & Color Co., Inc. 80
Socony-Vacuum Oil Co., Inc. 68
Spencer Chemical Co. 48
Standard Alcohol Co. 72
Standard Oil Co. (Indiana). 71
Standard Specialty & Tube Co. 59
Standard Ultramarine Co. 72
Stauffer Chemical Co. 43
Stein Equipment Co. 77
Strong Cobb, Inc. 19
Swope Oil & Chemical Co. 43

Ten Eyck, C. F., & Co. 63
Tennessee Products Corp. 38
Thurston & Braidich. 63
Todd, A. M., Co. 65
Tombarel Products Co. 66
Turner, Joseph, & Co. 44

Union Carbide & Carbon Corp. 2, 56
Union Standard Equipment Co. 77
United States Potash Co., Inc. 49
Utility Color Company. 70

van Ameringen-Haebler, Inc. 65
Van Gelder Fanto Corp. 57
Velsicol Corp. 33
Victor Chemical Works. 12
Virginia Smelting Co. 44
Virginian Gasoline & Oil Co. 67
Vitamoil Laboratory, Inc. 52, 66, 75
Vitro Manufacturing Co. 44

Warwick Chemical Co. 68
Will & Baumer Candle Co., Inc. 74
Wilson-Martin Div. 73
Witco Chemical Company. 16

Ziegler Pharmacal Co. 57
Zink & Triest Co. 63
Zinsser & Co., Inc. 43

Corporation Earnings

Clorox Chemical Company

	1946	1945
Net income	$638,704	$363,417
Per share	1.94	1.10

National Container Corp.

Net income	1,740,069	632,274
Per share	2.15	.95

National Fireproofing Corp.

Net income	65,628	50,524
Per share	.....	.....

National Gypsum

Net income, 6 months, June 30	1,727,218	519,559
Per share	.93	.27

Nehi Corporation

Net income	648,329	455,304
Per share	.63	.42

Pittsburgh Coke & Chemical Co.

Net Income	24,566	96,375
Per Share	.09	.11

Shell Union Oil Co.

Net income, 6 months, June 30	15,090,389	16,957,497
Per share	1.12	1.25

Sinclair Oil Corporation

Net Income	12,051,203	12,712,401
Per Share	1.00	1.06

Sun Chemical Company

Net income	636,891	334,899
Per share	.48	.53

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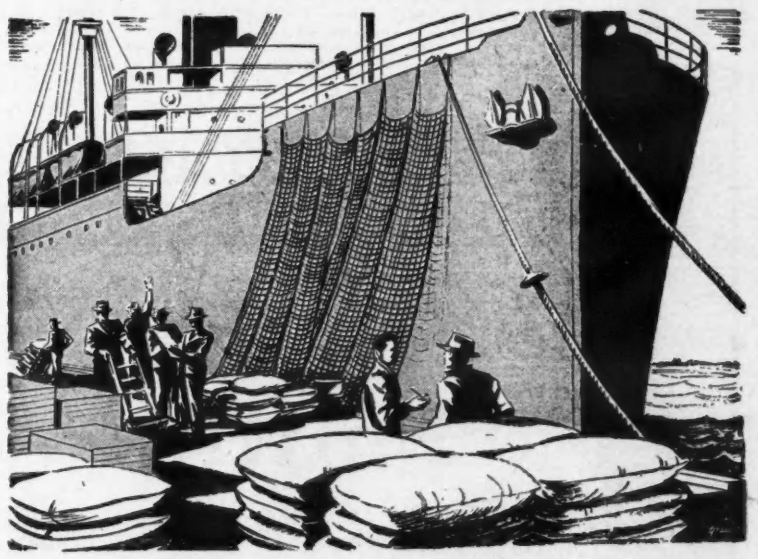

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(Reprinted from the Oil, Paint and Drug Reporter, July 1, 1946)

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e. Laundries and Diaper Service.
f. Poultry and Animal Farms.
g. Swimming Pools.
h. Citrus Fruits for prevention of molds.

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Clays	Manganese Oxide	Tall Oil

Fabricators of Mineral Colors
Representing Manufacturers of National Reputation
Available Technical Data Upon Request

SMITH CHEMICAL & COLOR CO.
INCORPORATED 1919
55 John Street Brooklyn 1, New York